



# SEQUENCE LISTING

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Stemmer, Willem P.C.  
Avidia Research Institute

<120> Combinatorial Libraries of Monomer Domains

<130> 022013-000160US

<140> US 10/693,056  
<141> 2003-10-24

<150> US 60/286,823  
<151> 2001-04-26

<150> US 60/337,209  
<151> 2001-11-19

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related protein 3 (LRP3) A domain

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 20 25 30  
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 Cys Gly Pro Thr Gln Phe Arg Cys Val Ser Thr Asn Met Cys Ile Pro  
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 1 5 10 15  
 Ile Trp Trp Cys Asp Phe Asp Asn Asp Cys Gly Asp Met Ser Asp Glu  
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 Asp Glu Ser His Cys  
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 Cys Glu Ala Ser Asn Phe Gln Cys Arg Asn Gly His Cys Ile Pro Gln  
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 His Cys Asp Gly Leu Arg Asp Cys Ser Asp Gly Ser Asp Glu Gln His  
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 1 5 10 15

Phe His Ser Met Val Cys Asp Gly Ile Ile Gln Cys Arg Asp Gly Ser  
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                   20                  25                  30  
 Ala Asn Cys  
                   35

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<400> 52  
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 Asn Arg Trp Lys Cys Asp Arg Glu Asn Asp Cys Gly Asp Trp Ser Asp  
                   20                  25                  30  
 Glu Lys Asp Cys  
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 Thr Trp Val Cys Asp Gly Tyr Arg Asp Cys Ala Asp Gly Ser Asp Glu  
                   20                  25                  30  
 Glu Ala Cys  
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 20 25 30  
 Glu Ala Asn Cys  
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 1 5 10 15  
 Leu Ser Glu Arg Cys Asp Gly Phe Leu Asp Cys Ser Asp Glu Ser Asp  
 20 25 30  
 Glu Lys Ala Cys  
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 Cys Glu Lys Asp Gln Phe Gln Cys Arg Asn Glu Arg Cys Ile Pro Ser  
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 Val Trp Arg Cys Asp Glu Asp Asp Asp Cys Leu Asp His Ser Asp Glu  
 20 25 30  
 Asp Asp Cys  
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<220>  
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<400> 57  
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 1 5 10 15  
 Arg Trp Lys Cys Asp Gly Glu Glu Glu Cys Pro Asp Gly Ser Asp Glu  
 20 25 30  
 Ser Glu Ala Thr Cys  
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<220>
<223> human ApoER2 A domain

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Cys Pro Ala Glu Lys Leu Ser Cys Gly Pro Thr Ser His Lys Cys Val
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 20           25           30
Asp Glu Ala Gly Cys
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<220>
<223> human ApoER2 A domain

<400> 59
Cys Ala Pro His Glu Phe Gln Cys Gly Asn Arg Ser Cys Leu Ala Ala
 1           5           10           15
Val Phe Val Cys Asp Gly Asp Asp Asp Cys Gly Asp Gly Ser Asp Glu
 20           25           30
Arg Gly Cys
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Cys Gly Pro Arg Glu Phe Arg Cys Gly Gly Asp Gly Gly Gly Ala Cys
 1           5           10           15
Ile Pro Glu Arg Trp Val Cys Asp Arg Gln Phe Asp Cys Glu Asp Arg
 20           25           30
Ser Asp Glu Ala Ala Glu Leu Cys
 35           40

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 20           25           30
Glu Ala Asp Cys
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 1 5 10 15  
 Ile Lys His Cys Asn Gln Glu Gln Asp Cys Pro Asp Gly Ser Asp Glu  
 20 25 30  
 Ala Gly Cys  
 35  
  
 <210> 63  
 <211> 37  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> human low-density lipoprotein receptor (LDLR) A  
 domain  
  
 <400> 63  
 Cys Glu Arg Asn Glu Phe Gln Cys Gln Asp Gly Lys Cys Ile Ser Tyr  
 1 5 10 15  
 Lys Trp Val Cys Asp Gly Ser Ala Glu Cys Gln Asp Gly Ser Asp Glu  
 20 25 30  
 Ser Gln Glu Thr Cys  
 35  
  
 <210> 64  
 <211> 37  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> human low-density lipoprotein receptor (LDLR) A  
 domain  
  
 <400> 64  
 Cys Lys Ser Gly Asp Phe Ser Cys Gly Gly Arg Val Asn Arg Cys Ile  
 1 5 10 15  
 Pro Gln Phe Trp Arg Cys Asp Gly Gln Val Asp Cys Asp Asn Gly Ser  
 20 25 30  
 Asp Glu Gln Gly Cys  
 35  
  
 <210> 65  
 <211> 35  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> human low-density lipoprotein receptor (LDLR) A  
 domain

<400> 65  
 Cys Ser Gln Asp Glu Phe Arg Cys His Asp Gly Lys Cys Ile Ser Arg  
 1 5 10 15  
 Gln Phe Val Cys Asp Ser Asp Arg Asp Cys Leu Asp Gly Ser Asp Glu  
 20 25 30  
 Ala Ser Cys  
 35

<210> 66  
 <211> 37  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> human low-density lipoprotein receptor (LDLR) A  
 domain

<400> 66  
 Cys Gly Pro Ala Ser Phe Gln Cys Asn Ser Ser Thr Cys Ile Pro Gln  
 1 5 10 15  
 Leu Trp Ala Cys Asp Asn Asp Pro Asp Cys Glu Asp Gly Ser Asp Glu  
 20 25 30  
 Trp Pro Gln Arg Cys  
 35

<210> 67  
 <211> 35  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> human low-density lipoprotein receptor (LDLR) A  
 domain

<400> 67  
 Cys Ser Ala Phe Glu Phe His Cys Leu Ser Gly Glu Cys Ile His Ser  
 1 5 10 15  
 Ser Trp Arg Cys Asp Gly Gly Pro Asp Cys Lys Asp Lys Ser Asp Glu  
 20 25 30  
 Glu Asn Cys  
 35

<210> 68  
 <211> 35  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> human low-density lipoprotein receptor (LDLR) A  
 domain

<400> 68  
 Cys Arg Pro Asp Glu Phe Gln Cys Ser Asp Gly Asn Cys Ile His Gly  
 1 5 10 15  
 Ser Arg Gln Cys Asp Arg Glu Tyr Asp Cys Lys Asp Met Ser Asp Glu  
 20 25 30  
 Val Gly Cys  
 35

<210> 69  
 <211> 38  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> human low-density lipoprotein receptor (LDLR) A domain

<400> 69  
 Cys Glu Gly Pro Asn Lys Phe Lys Cys His Ser Gly Glu Cys Ile Thr  
 1 5 10 15  
 Leu Asp Lys Val Cys Asn Met Ala Arg Asp Cys Arg Asp Trp Ser Asp  
 20 25 30  
 Glu Pro Ile Lys Glu Cys  
 35

<210> 70  
 <211> 35  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> human LDVR A domain

<400> 70  
 Cys Glu Pro Ser Gln Phe Gln Cys Thr Asn Gly Arg Cys Ile Thr Leu  
 1 5 10 15  
 Leu Trp Lys Cys Asp Gly Asp Glu Asp Cys Val Asp Gly Ser Asp Glu  
 20 25 30  
 Lys Asn Cys  
 35

<210> 71  
 <211> 37  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> human LDVR A domain

<400> 71  
 Cys Ala Glu Ser Asp Phe Val Cys Asn Asn Gly Gln Cys Val Pro Ser  
 1 5 10 15  
 Arg Trp Lys Cys Asp Gly Asp Pro Asp Cys Glu Asp Gly Ser Asp Glu  
 20 25 30  
 Ser Pro Glu Gln Cys  
 35

<210> 72  
 <211> 37  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> human LDVR A domain

<400> 72  
 Cys Arg Ile His Glu Ile Ser Cys Gly Ala His Ser Thr Gln Cys Ile  
 1 5 10 15



Pro Val Ser Trp Arg Cys Asp Gly Glu Asn Asp Cys Asp Ser Gly Glu  
                   20                  25                  30  
 Asp Glu Glu Asn Cys  
                   35

<210> 73  
 <211> 35  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> human LDVR A domain

<400> 73  
 Cys Ser Pro Asp Glu Phe Thr Cys Ser Ser Gly Arg Cys Ile Ser Arg  
   1                  5                  10                  15  
 Asn Phe Val Cys Asn Gly Gln Asp Asp Cys Ser Asp Gly Ser Asp Glu  
                   20                  25                  30  
 Leu Asp Cys  
                   35

<210> 74  
 <211> 37  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> human LDVR A domain

<400> 74  
 Cys Gly Ala His Glu Phe Gln Cys Ser Thr Ser Ser Cys Ile Pro Ile  
   1                  5                  10                  15  
 Ser Trp Val Cys Asp Asp Asp Ala Asp Cys Ser Asp Gln Ser Asp Glu  
                   20                  25                  30  
 Ser Leu Glu Gln Cys  
                   35

<210> 75  
 <211> 35  
 <212> PRT  
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<220>  
 <223> human LDVR A domain

<400> 75  
 Cys Pro Ala Ser Glu Ile Gln Cys Gly Ser Gly Glu Cys Ile His Lys  
   1                  5                  10                  15  
 Lys Trp Arg Cys Asp Gly Asp Pro Asp Cys Lys Asp Gly Ser Asp Glu  
                   20                  25                  30  
 Val Asn Cys  
                   35

<210> 76  
 <211> 35  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> human LDVR A domain

<400> 76  
 Cys Arg Pro Asp Gln Phe Glu Cys Glu Asp Gly Ser Cys Ile His Gly  
 1 5 10 15  
 Ser Arg Gln Cys Asn Gly Ile Arg Asp Cys Val Asp Gly Ser Asp Glu  
 20 25 30  
 Val Asn Cys  
 35

<210> 77  
 <211> 38  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> human LDVR A domain

<400> 77  
 Cys Leu Gly Pro Gly Lys Phe Lys Cys Arg Ser Gly Glu Cys Ile Asp  
 1 5 10 15  
 Ile Ser Lys Val Cys Asn Gln Glu Gln Asp Cys Arg Asp Trp Ser Asp  
 20 25 30  
 Glu Pro Leu Lys Glu Cys  
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<210> 78  
 <211> 38  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> human low-density lipoprotein receptor (LDLR)  
 related protein 1 (LRP1) A domain

<400> 78  
 Cys Ser Pro Lys Gln Phe Ala Cys Arg Asp Gln Ile Thr Cys Ile Ser  
 1 5 10 15  
 Lys Gly Trp Arg Cys Asp Gly Glu Arg Asp Cys Pro Asp Gly Ser Asp  
 20 25 30  
 Glu Ala Pro Glu Ile Cys  
 35

<210> 79  
 <211> 37  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> human low-density lipoprotein receptor (LDLR)  
 related protein 1 (LRP1) A domain

<400> 79  
 Cys Gln Pro Asn Glu His Asn Cys Leu Gly Thr Glu Leu Cys Val Pro  
 1 5 10 15  
 Met Ser Arg Leu Cys Asn Gly Val Gln Asp Cys Met Asp Gly Ser Asp  
 20 25 30  
 Glu Gly Pro His Cys  
 35

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<210> 80
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR)
      related protein 1 (LRP1) A domain

<400> 80
Cys Gln Pro Gly Glu Phe Ala Cys Ala Asn Ser Arg Cys Ile Gln Glu
 1          5          10          15
Arg Trp Lys Cys Asp Gly Asp Asn Asp Cys Leu Asp Asn Ser Asp Glu
 20          25          30
Ala Pro Ala Leu Cys
 35

<210> 81
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR)
      related protein 1 (LRP1) A domain

<400> 81
Cys Pro Ser Asp Arg Phe Lys Cys Glu Asn Asn Arg Cys Ile Pro Asn
 1          5          10          15
Arg Trp Leu Cys Asp Gly Asp Asn Asp Cys Gly Asn Ser Glu Asp Glu
 20          25          30
Ser Asn Ala Thr Cys
 35

<210> 82
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR)
      related protein 1 (LRP1) A domain

<400> 82
Cys Pro Pro Asn Gln Phe Ser Cys Ala Ser Gly Arg Cys Ile Pro Ile
 1          5          10          15
Ser Trp Thr Cys Asp Leu Asp Asp Asp Cys Gly Asp Arg Ser Asp Glu
 20          25          30
Ser Ala Ser Cys
 35

<210> 83
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR)
      related protein 1 (LRP1) A domain

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<400> 83  
 Cys Phe Pro Leu Thr Gln Phe Thr Cys Asn Asn Gly Arg Cys Ile Asn  
 1 5 10 15  
 Ile Asn Trp Arg Cys Asp Asn Asp Asn Asp Cys Gly Asp Asn Ser Asp  
 20 25 30  
 Glu Ala Gly Cys  
 35

<210> 84  
 <211> 37  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> human low-density lipoprotein receptor (LDLR)  
 related protein 1 (LRP1) A domain

<400> 84  
 Cys Ser Ser Thr Gln Phe Lys Cys Asn Ser Gly Arg Cys Ile Pro Glu  
 1 5 10 15  
 His Trp Thr Cys Asp Gly Asp Asn Asp Cys Gly Asp Tyr Ser Asp Glu  
 20 25 30  
 Thr His Ala Asn Cys  
 35

<210> 85  
 <211> 36  
 <212> PRT  
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<220>  
 <223> human low-density lipoprotein receptor (LDLR)  
 related protein 1 (LRP1) A domain

<400> 85  
 Cys His Thr Asp Glu Phe Gln Cys Arg Leu Asp Gly Leu Cys Ile Pro  
 1 5 10 15  
 Leu Arg Trp Arg Cys Asp Gly Asp Thr Asp Cys Met Asp Ser Ser Asp  
 20 25 30  
 Glu Lys Ser Cys  
 35

<210> 86  
 <211> 37  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> human low-density lipoprotein receptor (LDLR)  
 related protein 1 (LRP1) A domain

<400> 86  
 Cys Asp Pro Ser Val Lys Phe Gly Cys Lys Asp Ser Ala Arg Cys Ile  
 1 5 10 15  
 Ser Lys Ala Trp Val Cys Asp Gly Asp Asn Asp Cys Glu Asp Asn Ser  
 20 25 30  
 Asp Glu Glu Asn Cys  
 35

<210> 87  
 <211> 38  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> human low-density lipoprotein receptor (LDLR)  
 related protein 1 (LRP1) A domain

<400> 87  
 Cys Arg Pro Pro Ser His Pro Cys Ala Asn Asn Thr Ser Val Cys Leu  
 1 5 10 15  
 Pro Pro Asp Lys Leu Cys Asp Gly Asn Asp Asp Cys Gly Asp Gly Ser  
 20 25 30  
 Asp Glu Gly Glu Leu Cys  
 35

<210> 88  
 <211> 38  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> human low-density lipoprotein receptor (LDLR)  
 related protein 1 (LRP1) A domain

<400> 88  
 Cys Arg Ala Gln Asp Glu Phe Glu Cys Ala Asn Gly Glu Cys Ile Asn  
 1 5 10 15  
 Phe Ser Leu Thr Cys Asp Gly Val Pro His Cys Lys Asp Lys Ser Asp  
 20 25 30  
 Glu Lys Pro Ser Tyr Cys  
 35

<210> 89  
 <211> 35  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> human low-density lipoprotein receptor (LDLR)  
 related protein 1 (LRP1) A domain

<400> 89  
 Cys Lys Lys Thr Phe Arg Gln Cys Ser Asn Gly Arg Cys Val Ser Asn  
 1 5 10 15  
 Met Leu Trp Cys Asn Gly Ala Asp Asp Cys Gly Asp Gly Ser Asp Glu  
 20 25 30  
 Ile Pro Cys  
 35

<210> 90  
 <211> 35  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> human low-density lipoprotein receptor (LDLR)  
 related protein 1 (LRP1) A domain

<400> 90  
 Cys Gly Val Gly Glu Phe Arg Cys Arg Asp Gly Thr Cys Ile Gly Asn  
 1 5 10 15  
 Ser Ser Arg Cys Asn Gln Phe Val Asp Cys Glu Asp Ala Ser Asp Glu  
 20 25 30  
 Met Asn Cys  
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<210> 91  
 <211> 45  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> human low-density lipoprotein receptor (LDLR)  
 related protein 1 (LRP1) A domain

<400> 91  
 Cys Ser Ser Tyr Phe Arg Leu Gly Val Lys Gly Val Leu Phe Gln Pro  
 1 5 10 15  
 Cys Glu Arg Thr Ser Leu Cys Tyr Ala Pro Ser Trp Val Cys Asp Gly  
 20 25 30  
 Ala Asn Asp Cys Gly Asp Tyr Ser Asp Glu Arg Asp Cys  
 35 40 45

<210> 92  
 <211> 35  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> human low-density lipoprotein receptor (LDLR)  
 related protein 1 (LRP1) A domain

<400> 92  
 Cys Pro Leu Asn Tyr Phe Ala Cys Pro Ser Gly Arg Cys Ile Pro Met  
 1 5 10 15  
 Ser Trp Thr Cys Asp Lys Glu Asp Asp Cys Glu His Gly Glu Asp Glu  
 20 25 30  
 Thr His Cys  
 35

<210> 93  
 <211> 36  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> human low-density lipoprotein receptor (LDLR)  
 related protein 1 (LRP1) A domain

<400> 93  
 Cys Ser Glu Ala Gln Phe Glu Cys Gln Asn His Arg Cys Ile Ser Lys  
 1 5 10 15  
 Gln Trp Leu Cys Asp Gly Ser Asp Asp Cys Gly Asp Gly Ser Asp Glu  
 20 25 30  
 Ala Ala His Cys  
 35

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<210> 94
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR)
      related protein 1 (LRP1) A domain

<400> 94
Cys Gly Pro Ser Ser Phe Ser Cys Pro Gly Thr His Val Cys Val Pro
 1          5          10          15
Glu Arg Trp Leu Cys Asp Gly Asp Lys Asp Cys Ala Asp Gly Ala Asp
 20          25          30
Glu Ser Ile Ala Ala Gly Cys
 35

<210> 95
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR)
      related protein 1 (LRP1) A domain

<400> 95
Cys Asp Asp Arg Glu Phe Met Cys Gln Asn Arg Gln Cys Ile Pro Lys
 1          5          10          15
His Phe Val Cys Asp His Asp Arg Asp Cys Ala Asp Gly Ser Asp Glu
 20          25          30
Ser Pro Glu Cys
 35

<210> 96
<211> 40
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR)
      related protein 1 (LRP1) A domain

<400> 96
Cys Gly Pro Ser Glu Phe Arg Cys Ala Asn Gly Arg Cys Leu Ser Ser
 1          5          10          15
Arg Gln Trp Glu Cys Asp Gly Glu Asn Asp Cys His Asp Gln Ser Asp
 20          25          30
Glu Ala Pro Lys Asn Pro His Cys
 35          40

<210> 97
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR)
      related protein 1 (LRP1) A domain

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<400> 97  
 Cys Asn Ala Ser Ser Gln Phe Leu Cys Ser Ser Gly Arg Cys Val Ala  
 1 5 10 15  
 Glu Ala Leu Leu Cys Asn Gly Gln Asp Asp Cys Gly Asp Ser Ser Asp  
 20 25 30  
 Glu Arg Gly Cys  
 35

<210> 98  
 <211> 36  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> human low-density lipoprotein receptor (LDLR)  
 related protein 1 (LRP1) A domain

<400> 98  
 Cys Thr Ala Ser Gln Phe Val Cys Lys Asn Asp Lys Cys Ile Pro Phe  
 1 5 10 15  
 Trp Trp Lys Cys Asp Thr Glu Asp Asp Cys Gly Asp His Ser Asp Glu  
 20 25 30  
 Pro Pro Asp Cys  
 35

<210> 99  
 <211> 35  
 <212> PRT  
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<220>  
 <223> human low-density lipoprotein receptor (LDLR)  
 related protein 1 (LRP1) A domain

<400> 99  
 Cys Arg Pro Gly Gln Phe Gln Cys Ser Thr Gly Ile Cys Thr Asn Pro  
 1 5 10 15  
 Ala Phe Ile Cys Asp Gly Asp Asn Asp Cys Gln Asp Asn Ser Asp Glu  
 20 25 30  
 Ala Asn Cys  
 35

<210> 100  
 <211> 36  
 <212> PRT  
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<220>  
 <223> human low-density lipoprotein receptor (LDLR)  
 related protein 1 (LRP1) A domain

<400> 100  
 Cys Leu Pro Ser Gln Phe Lys Cys Thr Asn Thr Asn Arg Cys Ile Pro  
 1 5 10 15  
 Gly Ile Phe Arg Cys Asn Gly Gln Asp Asn Cys Gly Asp Gly Glu Asp  
 20 25 30  
 Glu Arg Asp Cys  
 35



<210> 101  
 <211> 37  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> human low-density lipoprotein receptor (LDLR)  
 related protein 1 (LRP1) A domain  
  
 <400> 101  
 Cys Ala Pro Asn Gln Phe Gln Cys Ser Ile Thr Lys Arg Cys Ile Pro  
 1 5 10 15  
 Arg Val Trp Val Cys Asp Arg Asp Asn Asp Cys Val Asp Gly Ser Asp  
 20 25 30  
 Glu Pro Ala Asn Cys  
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 <210> 102  
 <211> 38  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> human low-density lipoprotein receptor (LDLR)  
 related protein 1 (LRP1) A domain  
  
 <400> 102  
 Cys Gly Val Asp Glu Phe Arg Cys Lys Asp Ser Gly Arg Cys Ile Pro  
 1 5 10 15  
 Ala Arg Trp Lys Cys Asp Gly Glu Asp Asp Cys Gly Asp Gly Ser Asp  
 20 25 30  
 Glu Pro Lys Glu Glu Cys  
 35  
  
 <210> 103  
 <211> 35  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> human low-density lipoprotein receptor (LDLR)  
 related protein 1 (LRP1) A domain  
  
 <400> 103  
 Cys Glu Pro Tyr Gln Phe Arg Cys Lys Asn Asn Arg Cys Val Pro Gly  
 1 5 10 15  
 Arg Trp Gln Cys Asp Tyr Asp Asn Asp Cys Gly Asp Asn Ser Asp Glu  
 20 25 30  
 Glu Ser Cys  
 35  
  
 <210> 104  
 <211> 35  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> human low-density lipoprotein receptor (LDLR)  
 related protein 1 (LRP1) A domain

<400> 104  
 Cys Ser Glu Ser Glu Phe Ser Cys Ala Asn Gly Arg Cys Ile Ala Gly  
 1 5 10 15  
 Arg Trp Lys Cys Asp Gly Asp His Asp Cys Ala Asp Gly Ser Asp Glu  
 20 25 30  
 Lys Asp Cys  
 35

<210> 105  
 <211> 35  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> human low-density lipoprotein receptor (LDLR)  
 related protein 1 (LRP1) A domain

<400> 105  
 Cys Asp Met Asp Gln Phe Gln Cys Lys Ser Gly His Cys Ile Pro Leu  
 1 5 10 15  
 Arg Trp Arg Cys Asp Ala Asp Ala Asp Cys Met Asp Gly Ser Asp Glu  
 20 25 30  
 Glu Ala Cys  
 35

<210> 106  
 <211> 37  
 <212> PRT  
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<220>  
 <223> human low-density lipoprotein receptor (LDLR)  
 related protein 1 (LRP1) A domain

<400> 106  
 Cys Pro Leu Asp Glu Phe Gln Cys Asn Asn Thr Leu Cys Lys Pro Leu  
 1 5 10 15  
 Ala Trp Lys Cys Asp Gly Glu Asp Asp Cys Gly Asp Asn Ser Asp Glu  
 20 25 30  
 Asn Pro Glu Glu Cys  
 35

<210> 107  
 <211> 37  
 <212> PRT  
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<220>  
 <223> human low-density lipoprotein receptor (LDLR)  
 related protein 1 (LRP1) A domain

<400> 107  
 Cys Pro Pro Asn Arg Pro Phe Arg Cys Lys Asn Asp Arg Val Cys Leu  
 1 5 10 15  
 Trp Ile Gly Arg Gln Cys Asp Gly Thr Asp Asn Cys Gly Asp Gly Thr  
 20 25 30  
 Asp Glu Glu Asp Cys  
 35

<210> 108  
 <211> 36  
 <212> PRT  
 <213> Artificial Sequence  
  
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 <223> human low-density lipoprotein receptor (LDLR)  
 related protein 1 (LRP1) A domain  
  
 <400> 108  
 Cys Lys Asp Lys Lys Glu Phe Leu Cys Arg Asn Gln Arg Cys Leu Ser  
 1 5 10 15  
 Ser Ser Leu Arg Cys Asn Met Phe Asp Asp Cys Gly Asp Gly Ser Asp  
 20 25 30  
 Glu Glu Asp Cys  
 35  
  
 <210> 109  
 <211> 35  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> human low-density lipoprotein receptor (LDLR)  
 related protein 2 (LRP2) A domain  
  
 <400> 109  
 Cys Asp Ser Ala His Phe Arg Cys Gly Ser Gly His Cys Ile Pro Ala  
 1 5 10 15  
 Asp Trp Arg Cys Asp Gly Thr Lys Asp Cys Ser Asp Asp Ala Asp Glu  
 20 25 30  
 Ile Gly Cys  
 35  
  
 <210> 110  
 <211> 37  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> human low-density lipoprotein receptor (LDLR)  
 related protein 2 (LRP2) A domain  
  
 <400> 110  
 Cys Gln Gln Gly Tyr Phe Lys Cys Gln Ser Glu Gly Gln Cys Ile Pro  
 1 5 10 15  
 Ser Ser Trp Val Cys Asp Gln Asp Gln Asp Cys Asp Asp Gly Ser Asp  
 20 25 30  
 Glu Arg Gln Asp Cys  
 35  
  
 <210> 111  
 <211> 35  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> human low-density lipoprotein receptor (LDLR)  
 related protein 2 (LRP2) A domain

<400> 111  
 Cys Ser Ser His Gln Ile Thr Cys Ser Asn Gly Gln Cys Ile Pro Ser  
 1 5 10 15  
 Glu Tyr Arg Cys Asp His Val Arg Asp Cys Pro Asp Gly Ala Asp Glu  
 20 25 30  
 Asn Asp Cys  
 35

<210> 112  
 <211> 33  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> human low-density lipoprotein receptor (LDLR)  
 related protein 2 (LRP2) A domain

<400> 112  
 Cys Glu Gln Leu Thr Cys Asp Asn Gly Ala Cys Tyr Asn Thr Ser Gln  
 1 5 10 15  
 Lys Cys Asp Trp Lys Val Asp Cys Arg Asp Ser Ser Asp Glu Ile Asn  
 20 25 30  
 Cys

<210> 113  
 <211> 35  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> human low-density lipoprotein receptor (LDLR)  
 related protein 2 (LRP2) A domain

<400> 113  
 Cys Leu His Asn Glu Phe Ser Cys Gly Asn Gly Glu Cys Ile Pro Arg  
 1 5 10 15  
 Ala Tyr Val Cys Asp His Asp Asn Asp Cys Gln Asp Gly Ser Asp Glu  
 20 25 30  
 His Ala Cys  
 35

<210> 114  
 <211> 35  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> human low-density lipoprotein receptor (LDLR)  
 related protein 2 (LRP2) A domain

<400> 114  
 Cys Gly Gly Tyr Gln Phe Thr Cys Pro Ser Gly Arg Cys Ile Tyr Gln  
 1 5 10 15  
 Asn Trp Val Cys Asp Gly Glu Asp Asp Cys Lys Asp Asn Gly Asp Glu  
 20 25 30  
 Asp Gly Cys  
 35

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<210> 115
<211> 42
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR)
      related protein 2 (LRP2) A domain

<400> 115
Cys Ser Pro Arg Glu Trp Ser Cys Pro Glu Ser Gly Arg Cys Ile Ser
 1          5          10          15
Ile Tyr Lys Val Cys Asp Gly Ile Leu Asp Cys Pro Gly Arg Glu Asp
 20          25          30
Glu Asn Asn Thr Ser Thr Gly Lys Tyr Cys
 35          40

<210> 116
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR)
      related protein 2 (LRP2) A domain

<400> 116
Cys Gly Leu Phe Ser Phe Pro Cys Lys Asn Gly Arg Cys Val Pro Asn
 1          5          10          15
Tyr Tyr Leu Cys Asp Gly Val Asp Asp Cys His Asp Asn Ser Asp Glu
 20          25          30
Gln Leu Cys
 35

<210> 117
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR)
      related protein 2 (LRP2) A domain

<400> 117
Cys Ser Ser Ser Ala Phe Thr Cys Gly His Gly Glu Cys Ile Pro Ala
 1          5          10          15
His Trp Arg Cys Asp Lys Arg Asn Asp Cys Val Asp Gly Ser Asp Glu
 20          25          30
His Asn Cys
 35

<210> 118
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR)
      related protein 2 (LRP2) A domain

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<400> 118  
 Cys Leu Asp Thr Gln Tyr Thr Cys Asp Asn His Gln Cys Ile Ser Lys  
 1 5 10 15  
 Asn Trp Val Cys Asp Thr Asp Asn Asp Cys Gly Asp Gly Ser Asp Glu  
 20 25 30  
 Lys Asn Cys  
 35

<210> 119  
 <211> 35  
 <212> PRT  
 <213> Artificial Sequence

<220>  
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 related protein 2 (LRP2) A domain

<400> 119  
 Cys Gln Pro Ser Gln Phe Asn Cys Pro Asn His Arg Cys Ile Asp Leu  
 1 5 10 15  
 Ser Phe Val Cys Asp Gly Asp Lys Asp Cys Val Asp Gly Ser Asp Glu  
 20 25 30  
 Val Gly Cys  
 35

<210> 120  
 <211> 36  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> human low-density lipoprotein receptor (LDLR)  
 related protein 2 (LRP2) A domain

<400> 120  
 Cys Thr Ala Ser Gln Phe Lys Cys Ala Ser Gly Asp Lys Cys Ile Gly  
 1 5 10 15  
 Val Thr Asn Arg Cys Asp Gly Val Phe Asp Cys Ser Asp Asn Ser Asp  
 20 25 30  
 Glu Ala Gly Cys  
 35

<210> 121  
 <211> 37  
 <212> PRT  
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<220>  
 <223> human low-density lipoprotein receptor (LDLR)  
 related protein 2 (LRP2) A domain

<400> 121  
 Cys His Ser Asp Glu Phe Gln Cys Gln Glu Asp Gly Ile Cys Ile Pro  
 1 5 10 15  
 Asn Phe Trp Glu Cys Asp Gly His Pro Asp Cys Leu Tyr Gly Ser Asp  
 20 25 30  
 Glu His Asn Ala Cys  
 35

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<210> 122
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR)
      related protein 2 (LRP2) A domain

<400> 122
Cys Pro Ser Ser Tyr Phe His Cys Asp Asn Gly Asn Cys Ile His Arg
 1          5          10          15
Ala Trp Leu Cys Asp Arg Asp Asn Asp Cys Gly Asp Met Ser Asp Glu
          20          25          30
Lys Asp Cys
          35

<210> 123
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR)
      related protein 2 (LRP2) A domain

<400> 123
Cys Pro Ser Trp Gln Trp Gln Cys Leu Gly His Asn Ile Cys Val Asn
 1          5          10          15
Leu Ser Val Val Cys Asp Gly Ile Phe Asp Cys Pro Asn Gly Thr Asp
          20          25          30
Glu Ser Pro Leu Cys
          35

<210> 124
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR)
      related protein 2 (LRP2) A domain

<400> 124
Cys Gly Ala Ser Ser Phe Thr Cys Ser Asn Gly Arg Cys Ile Ser Glu
 1          5          10          15
Glu Trp Lys Cys Asp Asn Asp Asn Asp Cys Gly Asp Gly Ser Asp Glu
          20          25          30
Met Glu Ser Val Cys
          35

<210> 125
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR)
      related protein 2 (LRP2) A domain

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<400> 125  
 Cys Ser Pro Thr Ala Phe Thr Cys Ala Asn Gly Arg Cys Val Gln Tyr  
 1 5 10 15  
 Ser Tyr Arg Cys Asp Tyr Tyr Asn Asp Cys Gly Asp Gly Ser Asp Glu  
 20 25 30  
 Ala Gly Cys  
 35

<210> 126  
 <211> 38  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> human low-density lipoprotein receptor (LDLR)  
 related protein 2 (LRP2) A domain

<400> 126  
 Cys Asn Ala Thr Thr Glu Phe Met Cys Asn Asn Arg Arg Cys Ile Pro  
 1 5 10 15  
 Arg Glu Phe Ile Cys Asn Gly Val Asp Asn Cys His Asp Asn Asn Thr  
 20 25 30  
 Ser Asp Glu Lys Asn Cys  
 35

<210> 127  
 <211> 38  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> human low-density lipoprotein receptor (LDLR)  
 related protein 2 (LRP2) A domain

<400> 127  
 Cys Gln Ser Gly Tyr Thr Lys Cys His Asn Ser Asn Ile Cys Ile Pro  
 1 5 10 15  
 Arg Val Tyr Leu Cys Asp Gly Asp Asn Asp Cys Gly Asp Asn Ser Asp  
 20 25 30  
 Glu Asn Pro Thr Tyr Cys  
 35

<210> 128  
 <211> 36  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> human low-density lipoprotein receptor (LDLR)  
 related protein 2 (LRP2) A domain

<400> 128  
 Cys Ser Ser Ser Glu Phe Gln Cys Ala Ser Gly Arg Cys Ile Pro Gln  
 1 5 10 15  
 His Trp Tyr Cys Asp Gln Glu Thr Asp Cys Phe Asp Ala Ser Asp Glu  
 20 25 30  
 Pro Ala Ser Cys  
 35



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<210> 129
<211> 38
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR)
      related protein 2 (LRP2) A domain

<400> 129
Cys Leu Ala Asp Glu Phe Lys Cys Asp Gly Gly Arg Cys Ile Pro Ser
 1      5      10      15
Glu Trp Ile Cys Asp Gly Asp Asn Asp Cys Gly Asp Met Ser Asp Glu
 20      25      30
Asp Lys Arg His Gln Cys
 35

<210> 130
<211> 41
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR)
      related protein 2 (LRP2) A domain

<400> 130
Cys Ser Asp Ser Glu Phe Leu Cys Val Asn Asp Arg Pro Pro Asp Arg
 1      5      10      15
Arg Cys Ile Pro Gln Ser Trp Val Cys Asp Gly Asp Val Asp Cys Thr
 20      25      30
Asp Gly Tyr Asp Glu Asn Gln Asn Cys
 35      40

<210> 131
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR)
      related protein 2 (LRP2) A domain

<400> 131
Cys Ser Glu Asn Glu Phe Thr Cys Gly Tyr Gly Leu Cys Ile Pro Lys
 1      5      10      15
Ile Phe Arg Cys Asp Arg His Asn Asp Cys Gly Asp Tyr Ser Asp Glu
 20      25      30
Arg Gly Cys
 35

<210> 132
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR)
      related protein 2 (LRP2) A domain

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<400> 132  
 Cys Gln Gln Asn Gln Phe Thr Cys Gln Asn Gly Arg Cys Ile Ser Lys  
 1 5 10 15  
 Thr Phe Val Cys Asp Glu Asp Asn Asp Cys Gly Asp Gly Ser Asp Glu  
 20 25 30  
 Leu Met His Leu Cys  
 35

<210> 133  
 <211> 35  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> human low-density lipoprotein receptor (LDLR)  
 related protein 2 (LRP2) A domain

<400> 133  
 Cys Pro Pro His Glu Phe Lys Cys Asp Asn Gly Arg Cys Ile Glu Met  
 1 5 10 15  
 Met Lys Leu Cys Asn His Leu Asp Asp Cys Leu Asp Asn Ser Asp Glu  
 20 25 30  
 Lys Gly Cys  
 35

<210> 134  
 <211> 37  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> human low-density lipoprotein receptor (LDLR)  
 related protein 2 (LRP2) A domain

<400> 134  
 Cys Ser Ser Thr Gln Phe Leu Cys Ala Asn Asn Glu Lys Cys Ile Pro  
 1 5 10 15  
 Ile Trp Trp Lys Cys Asp Gly Gln Lys Asp Cys Ser Asp Gly Ser Asp  
 20 25 30  
 Glu Leu Ala Leu Cys  
 35

<210> 135  
 <211> 37  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> human low-density lipoprotein receptor (LDLR)  
 related protein 2 (LRP2) A domain

<400> 135  
 Cys Arg Leu Gly Gln Phe Gln Cys Ser Asp Gly Asn Cys Thr Ser Pro  
 1 5 10 15  
 Gln Thr Leu Cys Asn Ala His Gln Asn Cys Pro Asp Gly Ser Asp Glu  
 20 25 30  
 Asp Arg Leu Leu Cys  
 35

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<210> 136
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR)
      related protein 2 (LRP2) A domain

<400> 136
Cys Asp Ser Asn Glu Trp Gln Cys Ala Asn Lys Arg Cys Ile Pro Glu
 1          5          10          15
Ser Trp Gln Cys Asp Thr Phe Asn Asp Cys Glu Asp Asn Ser Asp Glu
 20          25          30
Asp Ser Ser His Cys
 35

<210> 137
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR)
      related protein 2 (LRP2) A domain

<400> 137
Cys Arg Pro Gly Gln Phe Arg Cys Ala Asn Gly Arg Cys Ile Pro Gln
 1          5          10          15
Ala Trp Lys Cys Asp Val Asp Asn Asp Cys Gly Asp His Ser Asp Glu
 20          25          30
Pro Ile Glu Glu Cys
 35

<210> 138
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR)
      related protein 2 (LRP2) A domain

<400> 138
Cys Asp Asn Phe Thr Glu Phe Ser Cys Lys Thr Asn Tyr Arg Cys Ile
 1          5          10          15
Pro Lys Trp Ala Val Cys Asn Gly Val Asp Asp Cys Arg Asp Asn Ser
 20          25          30
Asp Glu Gln Gly Cys
 35

<210> 139
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR)
      related protein 2 (LRP2) A domain

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<400> 139  
 Cys His Pro Val Gly Asp Phe Arg Cys Lys Asn His His Cys Ile Pro  
 1 5 10 15  
 Leu Arg Trp Gln Cys Asp Gly Gln Asn Asp Cys Gly Asp Asn Ser Asp  
 20 25 30  
 Glu Glu Asn Cys  
 35

<210> 140  
 <211> 35  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> human low-density lipoprotein receptor (LDLR)  
 related protein 2 (LRP2) A domain

<400> 140  
 Cys Thr Glu Ser Glu Phe Arg Cys Val Asn Gln Gln Cys Ile Pro Ser  
 1 5 10 15  
 Arg Trp Ile Cys Asp His Tyr Asn Asp Cys Gly Asp Asn Ser Asp Glu  
 20 25 30  
 Arg Asp Cys  
 35

<210> 141  
 <211> 35  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> human low-density lipoprotein receptor (LDLR)  
 related protein 2 (LRP2) A domain

<400> 141  
 Cys His Pro Glu Tyr Phe Gln Cys Thr Ser Gly His Cys Val His Ser  
 1 5 10 15  
 Glu Leu Lys Cys Asp Gly Ser Ala Asp Cys Leu Asp Ala Ser Asp Glu  
 20 25 30  
 Ala Asp Cys  
 35

<210> 142  
 <211> 37  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> human low-density lipoprotein receptor (LDLR)  
 related protein 2 (LRP2) A domain

<400> 142  
 Cys Gln Ala Thr Met Phe Glu Cys Lys Asn His Val Cys Ile Pro Pro  
 1 5 10 15  
 Tyr Trp Lys Cys Asp Gly Asp Asp Asp Cys Gly Asp Gly Ser Asp Glu  
 20 25 30  
 Glu Leu His Leu Cys  
 35

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<210> 143
<211> 38
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR)
      related protein 2 (LRP2) A domain

<400> 143
Cys Asn Ser Pro Asn Arg Phe Arg Cys Asp Asn Asn Arg Cys Ile Tyr
 1          5          10          15
Ser His Glu Val Cys Asn Gly Val Asp Asp Cys Gly Asp Gly Thr Asp
 20          25          30
Glu Thr Glu Glu His Cys
 35

<210> 144
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR)
      related protein 2 (LRP2) A domain

<400> 144
Cys Thr Glu Tyr Glu Tyr Lys Cys Gly Asn Gly His Cys Ile Pro His
 1          5          10          15
Asp Asn Val Cys Asp Asp Ala Asp Asp Cys Gly Asp Trp Ser Asp Glu
 20          25          30
Leu Gly Cys
 35

<210> 145
<211> 38
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR)
      related protein 1B (LR1B) A domain

<400> 145
Cys Asp Pro Gly Glu Phe Leu Cys His Asp His Val Thr Cys Val Ser
 1          5          10          15
Gln Ser Trp Leu Cys Asp Gly Asp Pro Asp Cys Pro Asp Asp Ser Asp
 20          25          30
Glu Ser Leu Asp Thr Cys
 35

<210> 146
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR)
      related protein 1B (LR1B) A domain

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<400> 146  
 Cys Pro Leu Asn His Ile Ala Cys Leu Gly Thr Asn Lys Cys Val His  
 1 5 10 15  
 Leu Ser Gln Leu Cys Asn Gly Val Leu Asp Cys Pro Asp Gly Tyr Asp  
 20 25 30  
 Glu Gly Val His Cys  
 35

<210> 147  
 <211> 37  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> human low-density lipoprotein receptor (LDLR)  
 related protein 1B (LR1B) A domain

<400> 147  
 Cys Lys Ala Gly Glu Phe Arg Cys Lys Asn Arg His Cys Ile Gln Ala  
 1 5 10 15  
 Arg Trp Lys Cys Asp Gly Asp Asp Asp Cys Leu Asp Gly Ser Asp Glu  
 20 25 30  
 Asp Ser Val Asn Cys  
 35

<210> 148  
 <211> 37  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> human low-density lipoprotein receptor (LDLR)  
 related protein 1B (LR1B) A domain

<400> 148  
 Cys Pro Asp Asp Gln Phe Lys Cys Gln Asn Asn Arg Cys Ile Pro Lys  
 1 5 10 15  
 Arg Trp Leu Cys Asp Gly Ala Asn Asp Cys Gly Ser Asn Glu Asp Glu  
 20 25 30  
 Ser Asn Gln Thr Cys  
 35

<210> 149  
 <211> 36  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> human low-density lipoprotein receptor (LDLR)  
 related protein 1B (LR1B) A domain

<400> 149  
 Cys Gln Val Asp Gln Phe Ser Cys Gly Asn Gly Arg Cys Ile Pro Arg  
 1 5 10 15  
 Ala Trp Leu Cys Asp Arg Glu Asp Asp Cys Gly Asp Gln Thr Asp Glu  
 20 25 30  
 Met Ala Ser Cys  
 35

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<210> 150
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR)
      related protein 1B (LR1B) A domain

<400> 150
Cys Glu Pro Leu Thr Gln Phe Val Cys Lys Ser Gly Arg Cys Ile Ser
 1          5          10          15
Ser Lys Trp His Cys Asp Ser Asp Asp Asp Cys Gly Asp Gly Ser Asp
      20          25          30
Glu Val Gly Cys
      35

<210> 151
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR)
      related protein 1B (LR1B) A domain

<400> 151
Cys Phe Asp Asn Gln Phe Arg Cys Ser Ser Gly Arg Cys Ile Pro Gly
 1          5          10          15
His Trp Ala Cys Asp Gly Asp Asn Asp Cys Gly Asp Phe Ser Asp Glu
      20          25          30
Ala Gln Ile Asn Cys
      35

<210> 152
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR)
      related protein 1B (LR1B) A domain

<400> 152
Cys Asn Gly Asn Glu Phe Gln Cys His Pro Asp Gly Asn Cys Val Pro
 1          5          10          15
Asp Leu Trp Arg Cys Asp Gly Glu Lys Asp Cys Glu Asp Gly Ser Asp
      20          25          30
Glu Lys Gly Cys
      35

<210> 153
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR)
      related protein 1B (LR1B) A domain

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<400> 153  
 Cys Asp His Lys Thr Lys Phe Ser Cys Trp Ser Thr Gly Arg Cys Ile  
 1 5 10 15  
 Asn Lys Ala Trp Val Cys Asp Gly Asp Ile Asp Cys Glu Asp Gln Ser  
 20 25 30  
 Asp Glu Asp Asp Cys  
 35

<210> 154  
 <211> 38  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> human low-density lipoprotein receptor (LDLR)  
 related protein 1B (LR1B) A domain

<400> 154  
 Cys Gly Pro Pro Lys His Pro Cys Ala Asn Asp Thr Ser Val Cys Leu  
 1 5 10 15  
 Gln Pro Glu Lys Leu Cys Asn Gly Lys Lys Asp Cys Pro Asp Gly Ser  
 20 25 30  
 Asp Glu Gly Tyr Leu Cys  
 35

<210> 155  
 <211> 38  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> human low-density lipoprotein receptor (LDLR)  
 related protein 1B (LR1B) A domain

<400> 155  
 Cys Asn Ala Tyr Ser Glu Phe Glu Cys Gly Asn Gly Glu Cys Ile Asp  
 1 5 10 15  
 Tyr Gln Leu Thr Cys Asp Gly Ile Pro His Cys Lys Asp Lys Ser Asp  
 20 25 30  
 Glu Lys Leu Leu Tyr Cys  
 35

<210> 156  
 <211> 35  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> human low-density lipoprotein receptor (LDLR)  
 related protein 1B (LR1B) A domain

<400> 156  
 Cys Arg Arg Gly Phe Lys Pro Cys Tyr Asn Arg Arg Cys Ile Pro His  
 1 5 10 15  
 Gly Lys Leu Cys Asp Gly Glu Asn Asp Cys Gly Asp Asn Ser Asp Glu  
 20 25 30  
 Leu Asp Cys  
 35



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<210> 157
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR)
      related protein 1B (LR1B) A domain

<400> 157
Cys Ala Thr Val Glu Phe Arg Cys Ala Asp Gly Thr Cys Ile Pro Arg
 1          5          10          15
Ser Ala Arg Cys Asn Gln Asn Ile Asp Cys Ala Asp Ala Ser Asp Glu
 20          25          30
Lys Asn Cys
 35

<210> 158
<211> 45
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR)
      related protein 1B (LR1B) A domain

<400> 158
Cys Thr His Phe Tyr Lys Leu Gly Val Lys Thr Thr Gly Phe Ile Arg
 1          5          10          15
Cys Asn Ser Thr Ser Leu Cys Val Leu Pro Thr Trp Ile Cys Asp Gly
 20          25          30
Ser Asn Asp Cys Gly Asp Tyr Ser Asp Glu Leu Lys Cys
 35          40          45

<210> 159
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR)
      related protein 1B (LR1B) A domain

<400> 159
Cys Glu Glu Asn Tyr Phe Ser Cys Pro Ser Gly Arg Cys Ile Leu Asn
 1          5          10          15
Thr Trp Ile Cys Asp Gly Gln Lys Asp Cys Glu Asp Gly Arg Asp Glu
 20          25          30
Phe His Cys
 35

<210> 160
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR)
      related protein 1B (LR1B) A domain

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<400> 160  
 Cys Ser Trp Asn Gln Phe Ala Cys Ser Ala Gln Lys Cys Ile Ser Lys  
 1 5 10 15  
 His Trp Ile Cys Asp Gly Glu Asp Asp Cys Gly Asp Gly Leu Asp Glu  
 20 25 30  
 Ser Asp Ser Ile Cys  
 35

<210> 161  
 <211> 39  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> human low-density lipoprotein receptor (LDLR)  
 related protein 1B (LR1B) A domain

<400> 161  
 Cys Ala Ala Asp Met Phe Ser Cys Gln Gly Ser Arg Ala Cys Val Pro  
 1 5 10 15  
 Arg His Trp Leu Cys Asp Gly Glu Arg Asp Cys Pro Asp Gly Ser Asp  
 20 25 30  
 Glu Leu Ser Thr Ala Gly Cys  
 35

<210> 162  
 <211> 36  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> human low-density lipoprotein receptor (LDLR)  
 related protein 1B (LR1B) A domain

<400> 162  
 Cys Asp Glu Asn Ala Phe Met Cys His Asn Lys Val Cys Ile Pro Lys  
 1 5 10 15  
 Gln Phe Val Cys Asp His Asp Asp Asp Cys Gly Asp Gly Ser Asp Glu  
 20 25 30  
 Ser Pro Gln Cys  
 35

<210> 163  
 <211> 40  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> human low-density lipoprotein receptor (LDLR)  
 related protein 1B (LR1B) A domain

<400> 163  
 Cys Gly Thr Glu Glu Phe Ser Cys Ala Asp Gly Arg Cys Leu Leu Asn  
 1 5 10 15  
 Thr Gln Trp Gln Cys Asp Gly Asp Phe Asp Cys Pro Asp His Ser Asp  
 20 25 30  
 Glu Ala Pro Leu Asn Pro Lys Cys  
 35 40

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<210> 164
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR)
      related protein 1B (LR1B) A domain

<400> 164
Cys Asn Ser Ser Phe Phe Met Cys Lys Asn Gly Arg Cys Ile Pro Ser
 1          5          10          15
Gly Gly Leu Cys Asp Asn Lys Asp Asp Cys Gly Asp Gly Ser Asp Glu
 20          25          30
Arg Asn Cys
 35

<210> 165
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR)
      related protein 1B (LR1B) A domain

<400> 165
Cys Thr Ala Ser Gln Phe Arg Cys Lys Thr Asp Lys Cys Ile Pro Phe
 1          5          10          15
Trp Trp Lys Cys Asp Thr Val Asp Asp Cys Gly Asp Gly Ser Asp Glu
 20          25          30
Pro Asp Asp Cys
 35

<210> 166
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR)
      related protein 1B (LR1B) A domain

<400> 166
Cys Gln Pro Gly Arg Phe Gln Cys Gly Thr Gly Leu Cys Ala Leu Pro
 1          5          10          15
Ala Phe Ile Cys Asp Gly Glu Asn Asp Cys Gly Asp Asn Ser Asp Glu
 20          25          30
Leu Asn Cys
 35

<210> 167
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR)
      related protein 1B (LR1B) A domain

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<400> 167  
 Cys Leu Ser Gly Gln Phe Lys Cys Thr Lys Asn Gln Lys Cys Ile Pro  
 1 5 10 15  
 Val Asn Leu Arg Cys Asn Gly Gln Asp Asp Cys Gly Asp Glu Glu Asp  
 20 25 30  
 Glu Arg Asp Cys  
 35

<210> 168  
 <211> 36  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> human low-density lipoprotein receptor (LDLR)  
 related protein 1B (LR1B) A domain

<400> 168  
 Cys Ser Pro Asp Tyr Phe Gln Cys Lys Thr Thr Lys His Cys Ile Ser  
 1 5 10 15  
 Lys Leu Trp Val Cys Asp Glu Asp Pro Asp Cys Ala Asp Ala Ser Asp  
 20 25 30  
 Glu Ala Asn Cys  
 35

<210> 169  
 <211> 35  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> human low-density lipoprotein receptor (LDLR)  
 related protein 1B (LR1B) A domain

<400> 169  
 Cys Gly Pro His Glu Phe Gln Cys Lys Asn Asn Asn Cys Ile Pro Asp  
 1 5 10 15  
 His Trp Arg Cys Asp Ser Gln Asn Asp Cys Ser Asp Asn Ser Asp Glu  
 20 25 30  
 Glu Asn Cys  
 35

<210> 170  
 <211> 35  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> human low-density lipoprotein receptor (LDLR)  
 related protein 1B (LR1B) A domain

<400> 170  
 Cys Thr Leu Lys Asp Phe Leu Cys Ala Asn Gly Asp Cys Val Ser Ser  
 1 5 10 15  
 Arg Phe Trp Cys Asp Gly Asp Phe Asp Cys Ala Asp Gly Ser Asp Glu  
 20 25 30  
 Arg Asn Cys  
 35

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<210> 171
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR)
      related protein 1B (LR1B) A domain

<400> 171
Cys Ser Lys Asp Gln Phe Arg Cys Ser Asn Gly Gln Cys Ile Pro Ala
 1          5          10          15
Lys Trp Lys Cys Asp Gly His Glu Asp Cys Lys Tyr Gly Glu Asp Glu
 20          25          30
Lys Ser Cys
 35

<210> 172
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR)
      related protein 1B (LR1B) A domain

<400> 172
Cys Ser Ser Arg Glu Tyr Ile Cys Ala Ser Asp Gly Cys Ile Ser Ala
 1          5          10          15
Ser Leu Lys Cys Asn Gly Glu Tyr Asp Cys Ala Asp Gly Ser Asp Glu
 20          25          30
Met Asp Cys
 35

<210> 173
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR)
      related protein 1B (LR1B) A domain

<400> 173
Cys Lys Glu Asp Gln Phe Arg Cys Lys Asn Lys Ala His Cys Ile Pro
 1          5          10          15
Ile Arg Trp Leu Cys Asp Gly Ile His Asp Cys Val Asp Gly Ser Asp
 20          25          30
Glu Glu Asn Cys
 35

<210> 174
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> human low-density lipoprotein receptor (LDLR)
      related protein 1B (LR1B) A domain

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<400> 174  
 Cys Arg Ala Asp Glu Phe Leu Cys Asn Asn Ser Leu Cys Lys Leu His  
 1 5 10 15  
 Phe Trp Val Cys Asp Gly Glu Asp Asp Cys Gly Asp Asn Ser Asp Glu  
 20 25 30  
 Ala Pro Asp Met Cys  
 35

<210> 175  
 <211> 37  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> human low-density lipoprotein receptor (LDLR)  
 related protein 1B (LR1B) A domain

<400> 175  
 Cys Pro Ser Thr Arg Pro His Arg Cys Arg Asn Asn Arg Ile Cys Leu  
 1 5 10 15  
 Gln Ser Glu Gln Met Cys Asn Gly Ile Asp Glu Cys Gly Asp Asn Ser  
 20 25 30  
 Asp Glu Asp His Cys  
 35

<210> 176  
 <211> 35  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> human low-density lipoprotein receptor (LDLR)  
 related protein 1B (LR1B) A domain

<400> 176  
 Cys Lys Lys Asp Glu Phe Ala Cys Ser Asn Lys Lys Cys Ile Pro Met  
 1 5 10 15  
 Asp Leu Gln Cys Asp Arg Leu Asp Asp Cys Gly Asp Gly Ser Asp Glu  
 20 25 30  
 Gln Gly Cys  
 35

<210> 177  
 <211> 37  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> O75851 A domain

<400> 177  
 Cys Ala Glu Gly Glu Ala Leu Cys Gln Glu Asn Gly His Cys Val Pro  
 1 5 10 15  
 His Gly Trp Leu Cys Asp Asn Gln Asp Asp Cys Gly Asp Gly Ser Asp  
 20 25 30  
 Glu Glu Gly Glu Cys  
 35

<210> 178  
 <211> 37  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> O75851 A domain

<400> 178  
 Cys Gly Glu Gly Gln Met Thr Cys Ser Ser Gly His Cys Leu Pro Leu  
 1 5 10 15  
 Ala Leu Leu Cys Asp Arg Gln Asp Asp Cys Gly Asp Gly Thr Asp Glu  
 20 25 30  
 Pro Ser Tyr Pro Cys  
 35

<210> 179  
 <211> 35  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> O75851 A domain

<400> 179  
 Cys Pro Gln Gly Leu Leu Ala Cys Ala Asp Gly Arg Cys Leu Pro Pro  
 1 5 10 15  
 Ala Leu Leu Cys Asp Gly His Pro Asp Cys Leu Asp Ala Ala Asp Glu  
 20 25 30  
 Glu Ser Cys  
 35

<210> 180  
 <211> 37  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> O75851 A domain

<400> 180  
 Cys Val Pro Gly Glu Val Ser Cys Val Asp Gly Thr Cys Leu Gly Ala  
 1 5 10 15  
 Ile Gln Leu Cys Asp Gly Val Trp Asp Cys Pro Asp Gly Ala Asp Glu  
 20 25 30  
 Gly Pro Gly His Cys  
 35

<210> 181  
 <211> 35  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> ENSP00000262089 = O75851 A domain

<400> 181  
 Cys Gly Pro Phe Glu Phe Arg Cys Gly Ser Gly Glu Cys Thr Pro Arg  
 1 5 10 15

Gly Trp Arg Cys Asp Gln Glu Glu Asp Cys Ala Asp Gly Ser Asp Glu  
 20 25 30  
 Arg Gly Cys  
 35

<210> 182  
 <211> 38  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> ENSP00000262089 A domain

<400> 182  
 Cys Ala Pro His His Ala Pro Cys Ala Arg Gly Pro His Cys Val Ser  
 1 5 10 15  
 Pro Glu Gln Leu Cys Asp Gly Val Arg Gln Cys Pro Asp Gly Ser Asp  
 20 25 30  
 Glu Gly Pro Asp Ala Cys  
 35

<210> 183  
 <211> 36  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> O75851 A domain

<400> 183  
 Cys Pro Gly Leu Phe Pro Cys Gly Val Ala Pro Gly Leu Cys Leu Thr  
 1 5 10 15  
 Pro Glu Gln Leu Cys Asp Gly Ile Pro Asp Cys Pro Gln Gly Glu Asp  
 20 25 30  
 Glu Leu Asp Cys  
 35

<210> 184  
 <211> 39  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> O75851 A domain

<400> 184  
 Cys Pro Glu Tyr Thr Cys Pro Asn Gly Thr Cys Ile Gly Phe Gln Leu  
 1 5 10 15  
 Val Cys Asp Gly Gln Pro Asp Cys Gly Arg Pro Gly Gln Val Gly Pro  
 20 25 30  
 Ser Pro Glu Glu Gln Gly Cys  
 35

<210> 185  
 <211> 36  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> O75851 A domain



<400> 185  
 Cys Glu Pro Gly Val Gly Leu Arg Cys Ala Ser Gly Glu Cys Val Leu  
 1 5 10 15  
 Arg Gly Gly Pro Cys Asp Gly Val Leu Asp Cys Glu Asp Gly Ser Asp  
 20 25 30  
 Glu Glu Gly Cys  
 35

<210> 186  
 <211> 35  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> ENSP00000262089 A domain

<400> 186  
 Cys Gly Pro Gly Gln Thr Pro Cys Glu Val Leu Gly Cys Val Glu Gln  
 1 5 10 15  
 Ala Gln Val Cys Asp Gly Arg Glu Asp Cys Leu Asp Gly Ser Asp Glu  
 20 25 30  
 Arg His Cys  
 35

<210> 187  
 <211> 35  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> O75851 A domain

<400> 187  
 Cys Ser Pro Ser Gln Leu Ser Cys Gly Ser Gly Glu Cys Leu Ser Ala  
 1 5 10 15  
 Glu Arg Arg Cys Asp Leu Arg Pro Asp Cys Gln Asp Gly Ser Asp Glu  
 20 25 30  
 Asp Gly Cys  
 35

<210> 188  
 <211> 33  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> C18oRF1 A domain

<400> 188  
 Cys Lys Phe Thr Cys Thr Ser Gly Lys Cys Leu Tyr Leu Gly Ser Leu  
 1 5 10 15  
 Val Cys Asn Gln Gln Asn Asp Cys Gly Asp Asn Ser Asp Glu Glu Asn  
 20 25 30  
 Cys

<210> 189  
 <211> 36  
 <212> PRT  
 <213> Artificial Sequence

<220>

<223> AAH07083/Q9NPF0 A domain

<400> 189

Cys	Pro	Pro	Thr	Lys	Phe	Gln	Cys	Arg	Thr	Ser	Gly	Leu	Cys	Val	Pro
1				5					10					15	
Leu	Thr	Trp	Arg	Cys	Asp	Arg	Asp	Leu	Asp	Cys	Ser	Asp	Gly	Ser	Asp
			20					25					30		
Glu	Glu	Glu	Cys												
			35												

<210> 190

<211> 36

<212> PRT

<213> Artificial Sequence

<220>

<223> AAH07083/Q9NPF0 A domain

<400> 190

Cys	Leu	Ala	Gly	Glu	Leu	Arg	Cys	Thr	Leu	Ser	Asp	Asp	Cys	Ile	Pro
1				5					10					15	
Leu	Thr	Trp	Arg	Cys	Asp	Gly	His	Pro	Asp	Cys	Pro	Asp	Ser	Ser	Asp
			20					25					30		
Glu	Leu	Gly	Cys												
			35												

<210> 191

<211> 36

<212> PRT

<213> Artificial Sequence

<220>

<223> Q9HBX9 A domain

<400> 191

Cys	Ser	Leu	Gly	Tyr	Phe	Pro	Cys	Gly	Asn	Ile	Thr	Lys	Cys	Leu	Pro
1				5					10					15	
Gln	Leu	Leu	His	Cys	Asn	Gly	Val	Asp	Asp	Cys	Gly	Asn	Gln	Ala	Asp
			20					25					30		
Glu	Asp	Asn	Cys												
			35												

<210> 192

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Q9BY79/Q96DQ9 A domain

<400> 192

Cys	Ala	His	Asp	Glu	Phe	Arg	Cys	Asp	Gln	Leu	Ile	Cys	Leu	Leu	Pro
1				5					10					15	
Asp	Ser	Val	Cys	Asp	Gly	Phe	Ala	Asn	Cys	Ala	Asp	Gly	Ser	Asp	Glu
			20					25					30		
Thr	Asn	Cys													
			35												

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<210> 193
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Q9BY79/Q96DQ9 A domain

<400> 193
Cys Gly Pro Ser Glu Leu Ser Cys Gln Ala Gly Gly Cys Lys Gly Val
1          5          10          15
Gln Trp Met Cys Asp Met Trp Arg Asp Cys Thr Asp Gly Ser Asp Asp
20          25          30
Asn Cys

<210> 194
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> BAB55257 = ENSP00000239367 A domain

<400> 194
Cys Ser Arg Tyr His Phe Phe Cys Asp Asp Gly Cys Cys Ile Asp Ile
1          5          10          15
Thr Leu Ala Cys Asp Gly Val Gln Gln Cys Pro Asp Gly Ser Asp Glu
20          25          30
Asp Phe Cys
35

<210> 195
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<223> O95518 = ENSP00000255793 A domain

<400> 195
Cys Pro Gly Glu Phe Leu Cys Ser Val Asn Gly Leu Cys Val Pro Ala
1          5          10          15
Cys Asp Gly Val Lys Asp Cys Pro Asn Gly Leu Asp Glu Arg Asn Cys
20          25          30

<210> 196
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> ENSP00000255793 A domain

<400> 196
Cys Arg Ala Thr Phe Gln Cys Lys Glu Asp Ser Thr Cys Ile Ser Leu
1          5          10          15
Pro Lys Val Cys Asp Gly Gln Pro Asp Cys Leu Asn Gly Ser Asp Glu
20          25          30
Glu Gln Cys
35

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<210> 197  
 <211> 36  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> ENSP00000255793 A domain

<400> 197  
 Cys Gly Thr Phe Thr Phe Gln Cys Glu Asp Arg Ser Cys Val Lys Lys  
 1 5 10 15  
 Pro Asn Pro Gln Cys Asp Gly Arg Pro Asp Cys Arg Asp Gly Ser Asp  
 20 25 30  
 Glu Glu His Cys  
 35

<210> 198  
 <211> 36  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Q8WXD0 A domain

<400> 198  
 Cys Gln Lys Gly Tyr Phe Pro Cys Gly Asn Leu Thr Lys Cys Leu Pro  
 1 5 10 15  
 Arg Ala Phe His Cys Asp Gly Lys Asp Asp Cys Gly Asn Gly Ala Asp  
 20 25 30  
 Glu Glu Asn Cys  
 35

<210> 199  
 <211> 35  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Q8NBJ0 A domain

<400> 199  
 Cys Ser Thr Ala Arg Tyr His Cys Lys Asn Gly Leu Cys Ile Asp Lys  
 1 5 10 15  
 Ser Phe Ile Cys Asp Gly Gln Asn Asn Cys Gln Asp Asn Ser Asp Glu  
 20 25 30  
 Glu Ser Cys  
 35

<210> 200  
 <211> 36  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Q8NBJ0 A domain

<400> 200  
 Cys Gly Pro Thr Phe Phe Pro Cys Ala Ser Gly Ile His Cys Ile Ile  
 1 5 10 15

Gly Arg Phe Arg Cys Asn Gly Phe Glu Asp Cys Pro Asp Gly Ser Asp  
 20 25 30  
 Glu Glu Asn Cys  
 35

<210> 201  
 <211> 36  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Q8NBJ0 A domain

<400> 201  
 Cys Asn Ile Pro Gly Asn Phe Met Cys Ser Asn Gly Arg Cys Ile Pro  
 1 5 10 15  
 Gly Ala Trp Gln Cys Asp Gly Leu Pro Asp Cys Phe Asp Lys Ser Asp  
 20 25 30  
 Glu Lys Glu Cys  
 35

<210> 202  
 <211> 38  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> MEGF7 A domain

<400> 202  
 Cys Ala Leu Asp Gln Phe Leu Cys Trp Asn Gly Arg Cys Ile Gly Gln  
 1 5 10 15  
 Arg Lys Leu Cys Asn Gly Val Asn Asp Cys Gly Asp Asn Ser Asp Glu  
 20 25 30  
 Ser Pro Gln Gln Asn Cys  
 35

<210> 203  
 <211> 34  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> MEGF7 A domain

<400> 203  
 Cys Glu Glu Asp Glu Phe Pro Cys Gln Asn Gly Tyr Cys Ile Arg Ser  
 1 5 10 15  
 Leu Trp His Cys Asp Gly Asp Asn Asp Cys Gly Asp Asn Ser Asp Glu  
 20 25 30  
 Gln Cys

<210> 204  
 <211> 35  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> MEGF7 A domain

<400> 204  
 Cys Arg Ser Gly Glu Phe Met Cys Asp Ser Gly Leu Cys Ile Asn Ala  
 1 5 10 15  
 Gly Trp Arg Cys Asp Gly Asp Ala Asp Cys Asp Asp Gln Ser Asp Glu  
 20 25 30  
 Arg Asn Cys  
 35

<210> 205  
 <211> 35  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> MEGF7 A domain

<400> 205  
 Cys Thr Ala Glu Gln Phe Arg Cys His Ser Gly Arg Cys Val Arg Leu  
 1 5 10 15  
 Ser Trp Arg Cys Asp Gly Glu Asp Asp Cys Ala Asp Asn Ser Asp Glu  
 20 25 30  
 Glu Asn Cys  
 35

<210> 206  
 <211> 35  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> MEGF7 A domain

<400> 206  
 Cys Ser Pro Leu Asp Phe His Cys Asp Asn Gly Lys Cys Ile Arg Arg  
 1 5 10 15  
 Ser Trp Val Cys Asp Gly Asp Asn Asp Cys Glu Asp Asp Ser Asp Glu  
 20 25 30  
 Gln Asp Cys  
 35

<210> 207  
 <211> 35  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> MEGF7 A domain

<400> 207  
 Cys Asn Leu Glu Glu Phe Gln Cys Ala Tyr Gly Arg Cys Ile Leu Asp  
 1 5 10 15  
 Ile Tyr His Cys Asp Gly Asp Asp Asp Cys Gly Asp Trp Ser Asp Glu  
 20 25 30  
 Ser Asp Cys  
 35

<210> 208  
 <211> 35  
 <212> PRT  
 <213> Artificial Sequence

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<220>
<223> MEGF7 A domain

<400> 208
Cys Ser Asp Lys Glu Phe Arg Cys Ser Asp Gly Ser Cys Ile Ala Glu
 1           5           10           15
His Trp Tyr Cys Asp Gly Asp Thr Asp Cys Lys Asp Gly Ser Asp Glu
          20           25           30
Glu Asn Cys
          35

<210> 209
<211> 40
<212> PRT
<213> Artificial Sequence

<220>
<223> MEGF7 A domain

<400> 209
Cys Gly Arg Ser His Phe Thr Cys Ala Val Ser Ala Leu Gly Glu Cys
 1           5           10           15
Thr Cys Ile Pro Ala Gln Trp Gln Cys Asp Gly Asp Asn Asp Cys Gly
          20           25           30
Asp His Ser Asp Glu Asp Gly Cys
          35           40

<210> 210
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> CAD61944 A domain

<400> 210
Cys Leu Gln Glu Glu Phe Gln Cys Leu Asn His Arg Cys Val Ser Ala
 1           5           10           15
Val Gln Arg Cys Asp Gly Val Asp Ala Cys Gly Asp Gly Ser Asp Glu
          20           25           30
Ala Gly Cys
          35

<210> 211
<211> 41
<212> PRT
<213> Artificial Sequence

<220>
<223> CAD61944 A domain

<400> 211
Cys Pro Pro Gly His Phe Pro Cys Gly Ala Ala Gly Thr Ser Gly Ala
 1           5           10           15
Thr Ala Cys Tyr Leu Pro Ala Asp Arg Cys Asn Tyr Gln Thr Phe Cys
          20           25           30
Ala Asp Gly Ala Asp Glu Arg Arg Cys
          35           40

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<210> 212
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> CAD61944 A domain

<400> 212
Cys Gln Pro Gly Asn Phe Arg Cys Arg Asp Glu Lys Cys Val Tyr Glu
1      5      10      15
Thr Trp Val Cys Asp Gly Gln Pro Asp Cys Ala Asp Gly Ser Asp Glu
20      25      30
Trp Asp Cys
35

<210> 213
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> ENSG00000181006 A domain

<400> 213
Cys Pro Glu Ile Thr Asp Phe Leu Cys Arg Asp Lys Lys Cys Ile Ala
1      5      10      15
Ser His Leu Leu Cys Asp Tyr Lys Pro Asp Cys Ser Asp Arg Ser Asp
20      25      30
Glu Ala His Cys
35

<210> 214
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> ENSG00000320248 A domain

<400> 214
Cys Asn Asn Arg Thr Phe Lys Cys Gly Asn Asp Ile Cys Phe Arg Lys
1      5      10      15
Gln Asn Ala Lys Cys Asp Gly Thr Val Asp Cys Pro Asp Gly Ser Asp
20      25      30
Glu Glu Gly Cys
35

<210> 215
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> ENSG00000277547 A domain

<400> 215
Cys Pro Pro Gly His His His Cys Gln Asn Lys Val Cys Val Glu Pro
1      5      10      15

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Gln Gln Leu Cys Asp Gly Glu Asp Asn Cys Gly Asp Leu Ser Asp Glu  
 20 25 30  
 Asn Pro Leu Thr Cys  
 35

<210> 216  
 <211> 34  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> ENSG00000320022 A domain

<400> 216  
 Cys Lys Gln Gly His Leu Ala Cys Gly Asp Leu Cys Val Pro Pro Glu  
 1 5 10 15  
 Gln Leu Cys Asp Phe Glu Glu Gln Cys Ala Gly Gly Glu Asp Glu Gln  
 20 25 30  
 Ala Cys

<210> 217  
 <211> 36  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> ENSG00000313222 A domain

<400> 217  
 Cys Pro Gly Asn Ser Phe Ser Cys Gly Asn Ser Gln Cys Val Thr Lys  
 1 5 10 15  
 Val Asn Pro Glu Cys Asp Asp Gln Glu Asp Cys Ser Asp Gly Ser Asp  
 20 25 30  
 Glu Ala His Cys  
 35

<210> 218  
 <211> 4  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> beta-Propeller domain repeated sequence

<400> 218  
 Tyr Trp Thr Asp  
 1

<210> 219  
 <211> 64  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> LDL receptor class A domain monomer sequence

<221> MOD\_RES  
 <222> (2)...(16)  
 <223> Xaa = any amino acid, Xaa at positions 5-16 may be present or absent

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<221> MOD_RES
<222> (18)...(32)
<223> Xaa = any amino acid, Xaa at positions 21-32 may
      be present or absent

<221> MOD_RES
<222> (34)...(40)
<223> Xaa = any amino acid, Xaa at position 40 may be
      present or absent

<221> MOD_RES
<222> (43)...(46)
<223> Xaa = any amino acid

<221> MOD_RES
<222> (48)...(53)
<223> Xaa = any amino acid, Xaa at positions 52-53 may
      be present or absent

<221> MOD_RES
<222> (56)...(63)
<223> Xaa = any amino acid, Xaa at positions 58-63 may
      be present or absent

<221> DISULFID
<222> (1)...(33)

<221> DISULFID
<222> (17)...(47)

<221> DISULFID
<222> (41)...(64)

<400> 219
Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1          5          10          15
Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20          25          30
Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Asx Xaa Xaa Xaa Xaa Cys Xaa
 35          40          45
Xaa Xaa Xaa Xaa Xaa Asp Glu Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys
 50          55          60

<210> 220
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> LDL receptor class A domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Cys, Asp, Glu, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

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<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Phe, His, Ile, Lys, Leu, Met, Gln,
      Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Glu, Phe, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Ala, Asp, Gly, His, Asn, Gln, Arg, Ser,
      Thr, Val or Tyr

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Asp, Glu, Gly, His, Lys, Leu, Asn, Gln,
      Arg, Ser or Thr

<221> MOD_RES
<222> (12)...(12)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
      Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Phe, Ile, Lys, Leu, Thr, Val or Tyr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Met, Asn,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

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<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Glu, Phe, His, Ile, Lys, Leu, Met,
      Pro, Gln, Arg, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (22)...(22)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Asp, Glu, His, Asn, Gln, Ser or Thr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,
      Met, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Asp, Gly, His, Asn, Gln, Ser, Thr or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Trp or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Glu, Gly, Leu, Met, Arg, Ser or Thr

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg or Ser

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<400> 220  
 Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa  
 1 5 10 15  
 Xaa Xaa Xaa Cys Asx Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Asp Glu  
 20 25 30  
 Xaa Xaa Cys  
 35

<210> 221  
 <211> 36  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> LDL receptor class A domain monomer sequence

<221> MOD\_RES  
 <222> (2)...(2)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,  
 Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (3)...(3)  
 <223> Xaa = Ala, Cys, Asp, Glu, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,  
 Trp or Tyr

<221> MOD\_RES  
 <222> (4)...(4)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Asn,  
 Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (5)...(5)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,  
 Met, Asn, Gln, Arg, Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (6)...(6)  
 <223> Xaa = Ala, Phe, His, Ile, Lys, Leu, Met, Gln,  
 Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (7)...(7)  
 <223> Xaa = Ala, Glu, Phe, His, Ile, Lys, Leu, Met,  
 Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (9)...(9)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,  
 Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (10)...(10)  
 <223> Xaa = Ala, Asp, Gly, His, Asn, Gln, Arg, Ser,  
 Thr, Val or Tyr

<221> MOD\_RES  
 <222> (11)...(11)  
 <223> Xaa = Asp, Glu, Gly, His, Lys, Leu, Asn, Gln,  
 Arg, Ser or Thr

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<221> MOD_RES
<222> (12)...(12)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
      Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Phe, Ile, Lys, Leu, Thr, Val or Tyr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, or
      Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Glu, Phe, His, Ile, Lys, Leu, Met,
      Pro, Gln, Arg, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (22)...(22)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Asp, Glu, His, Asn, Gln, Ser or Thr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Phe, Gly, Leu, Met, Pro, Ser,
      Thr or Val

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<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Gly, His, Gln or Arg

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ser, Thr or Tyr

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Glu, Gly, His, Leu, Met, Asn, Pro,
      Arg or Ser

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Val or
      Tyr

<221> MOD_RES
<222> (35)...(35)
<223> Xaa = Ala, Asp, Glu, His, Leu, Asn, Gln or Ser

<400> 221
Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa
 1           5           10          15
Xaa Xaa Xaa Cys Asx Xaa Xaa Xaa Xaa Cys Xaa Xaa Asx Xaa Asp Glu
 20           25          30
Xaa Xaa Xaa Cys
 35

<210> 222
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> LDL receptor class A domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Cys, Asp, Glu, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Asn,
      Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Tyr

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<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Phe, His, Ile, Lys, Leu, Met, Gln,
      Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Glu, Phe, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Ala, Asp, Gly, His, Asn, Gln, Arg, Ser,
      Thr, Val or Tyr

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Asp, Glu, Gly, His, Lys, Leu, Asn, Gln,
      Arg, Ser or Thr

<221> MOD_RES
<222> (12)...(12)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
      Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Phe, Ile, Lys, Leu, Thr, Val or Tyr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, or
      Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Glu, Phe, His, Ile, Lys, Leu, Met,
      Pro, Gln, Arg, Thr, Val, Trp or Tyr

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<221> MOD_RES
<222> (22)...(22)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Asp, Glu, His, Asn, Gln, Ser or Thr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Glu, Gly, Lys, Leu, Pro, Gln, Arg or Ser

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Asp, Asn or Ser

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Asp, Phe, Gly, His, Lys, Asn, Gln, Arg,
      Ser, Trp or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Glu, Leu, Ser or Thr

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Asn,
      Pro, Ser, Thr or Trp

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Ala, Asp, Glu, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg or Ser

<221> MOD_RES
<222> (35)...(35)
<223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,
      Gln, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (36)...(36)
<223> Xaa = Ala, Glu, His, Ile, Leu, Met, Asn, Pro,
      Gln, Arg, Thr, Val or Tyr

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<400> 222
Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa
 1              5              10              15

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Xaa Xaa Xaa Cys Asx Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Asp Glu  
20 25 30  
Xaa Xaa Xaa Xaa Cys  
35

<210> 223  
<211> 36  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> LDL receptor class A domain monomer sequence

<221> MOD\_RES  
<222> (2)...(2)  
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Asn, Pro, Arg, Ser or Thr

<221> MOD\_RES  
<222> (3)...(3)  
<223> Xaa = Ala, Asp, Glu, Gly, His, Leu, Asn, Pro, Arg, Ser or Thr

<221> MOD\_RES  
<222> (4)...(4)  
<223> Xaa = Asp, Phe, Gly, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
<222> (5)...(5)  
<223> Xaa = Asp, Glu, Phe, Gly, His, Lys, Met, Asn, Arg, Ser, Thr or Val

<221> MOD\_RES  
<222> (6)...(6)  
<223> Xaa = Asp, Glu, Gly, Lys, Leu, Asn, Pro, Gln or Arg

<221> MOD\_RES  
<222> (7)...(7)  
<223> Xaa = Phe, His, Leu, Val or Trp

<221> MOD\_RES  
<222> (8)...(8)  
<223> Xaa = Ala, Glu, Gly, Lys, Leu, Met, Arg, Ser, Thr or Val

<221> MOD\_RES  
<222> (10)...(10)  
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
<222> (11)...(11)  
<223> Xaa = Ala, Asp, Gly, His, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
<222> (12)...(12)  
<223> Xaa = Asp, Glu, Gly, His, Lys, Leu, Asn, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (13)...(13)  
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (15)...(15)  
 <223> Xaa = Ala, Phe, Ile, Lys, Leu, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (16)...(16)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (17)...(17)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, or Tyr

<221> MOD\_RES  
 <222> (18)...(18)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (19)...(19)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (20)...(20)  
 <223> Xaa = Ala, Glu, Phe, His, Ile, Lys, Leu, Met, Pro, Gln, Arg, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (23)...(23)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (24)...(24)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (25)...(25)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (26)...(26)  
 <223> Xaa = Asp, Glu, His, Asn, Gln, Ser or Thr

<221> MOD\_RES  
 <222> (28)...(28)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu, Met, Pro, Gln, Arg, Ser, Thr or Val

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<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Asp, Gly, His, Asn, Gln, Ser, Thr or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Trp or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Glu, Gly, Leu, Met, Arg, Ser or Thr

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (35)...(35)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg or Ser

<400> 223
Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa
 1              5              10              15
Xaa Xaa Xaa Xaa Cys Asx Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Asp
 20              25              30
Glu Xaa Xaa Cys
 35

<210> 224
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> LDL receptor class A domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Pro, Arg, Ser or Thr

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Gly, His, Leu, Asn, Pro,
      Arg, Ser or Thr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Asp, Phe, Gly, Lys, Leu, Asn, Pro, Gln,
      Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Asp, Glu, Phe, Gly, His, Lys, Met, Asn,
      Arg, Ser, Thr or Val

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<221> MOD\_RES  
 <222> (6)...(6)  
 <223> Xaa = Asp, Glu, Gly, Lys, Leu, Asn, Pro, Gln or Arg

<221> MOD\_RES  
 <222> (7)...(7)  
 <223> Xaa = Phe, His, Leu, Val or Trp

<221> MOD\_RES  
 <222> (8)...(8)  
 <223> Xaa = Ala, Glu, Gly, Lys, Leu, Met, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (10)...(10)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (11)...(11)  
 <223> Xaa = Ala, Asp, Gly, His, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (12)...(12)  
 <223> Xaa = Asp, Glu, Gly, His, Lys, Leu, Asn, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (13)...(13)  
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (15)...(15)  
 <223> Xaa = Ala, Phe, Ile, Lys, Leu, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (16)...(16)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (17)...(17)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, or Tyr

<221> MOD\_RES  
 <222> (18)...(18)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (19)...(19)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

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<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Glu, Phe, His, Ile, Lys, Leu, Met,
      Pro, Gln, Arg, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Asp, Glu, His, Asn, Gln, Ser or Thr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Phe, Gly, Leu, Met, Pro, Ser,
      Thr or Val

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Gly, His, Gln or Arg

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ser, Thr or Tyr

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Ala, Glu, Gly, His, Leu, Met, Asn, Pro,
      Arg or Ser

<221> MOD_RES
<222> (35)...(35)
<223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Val or
      Tyr

<221> MOD_RES
<222> (36)...(36)
<223> Xaa = Ala, Asp, Glu, His, Leu, Asn, Gln or Ser

<400> 224
Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa
1          5          10          15
Xaa Xaa Xaa Xaa Cys Asx Xaa Xaa Xaa Xaa Cys Xaa Asx Xaa Xaa Asp
20          25          30
Glu Xaa Xaa Xaa Cys
35

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<210> 225  
 <211> 37  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> LDL receptor class A domain monomer sequence

<221> MOD\_RES  
 <222> (2)...(2)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Asn, Pro, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (3)...(3)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Leu, Asn, Pro, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (4)...(4)  
 <223> Xaa = Asp, Phe, Gly, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (5)...(5)  
 <223> Xaa = Asp, Glu, Phe, Gly, His, Lys, Met, Asn, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (6)...(6)  
 <223> Xaa = Asp, Glu, Gly, Lys, Leu, Asn, Pro, Gln or Arg

<221> MOD\_RES  
 <222> (7)...(7)  
 <223> Xaa = Phe, His, Leu, Val or Trp

<221> MOD\_RES  
 <222> (8)...(8)  
 <223> Xaa = Ala, Glu, Gly, Lys, Leu, Met, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (10)...(10)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (11)...(11)  
 <223> Xaa = Ala, Asp, Gly, His, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (12)...(12)  
 <223> Xaa = Asp, Glu, Gly, His, Lys, Leu, Asn, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (13)...(13)  
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr or Val

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<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Phe, Ile, Lys, Leu, Thr, Val or Tyr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, or
      Tyr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Glu, Phe, His, Ile, Lys, Leu, Met,
      Pro, Gln, Arg, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Asp, Glu, His, Asn, Gln, Ser or Thr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Glu, Gly, Lys, Leu, Pro, Gln, Arg or Ser

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Asp, Asn or Ser

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<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Asp, Phe, Gly, His, Lys, Asn, Gln, Arg,
      Ser, Trp or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Glu, Leu, Ser or Thr

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Asn,
      Pro, Ser, Thr or Trp

<221> MOD_RES
<222> (35)...(35)
<223> Xaa = Ala, Asp, Glu, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg or Ser

<221> MOD_RES
<222> (36)...(36)
<223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,
      Gln, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (37)...(37)
<223> Xaa = Ala, Glu, His, Ile, Leu, Met, Asn, Pro,
      Gln, Arg, Thr, Val or Tyr

<400> 225
Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa
 1           5           10           15
Xaa Xaa Xaa Xaa Cys Asx Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Asp
 20           25           30
Glu Xaa Xaa Xaa Cys
 35

<210> 226
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> LDL receptor class A domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Cys, Asp, Glu, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Asn,
      Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

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<221> MOD\_RES  
 <222> (5)...(5)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (6)...(6)  
 <223> Xaa = Ala, Phe, His, Ile, Lys, Leu, Met, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (7)...(7)  
 <223> Xaa = Ala, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (9)...(9)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD\_RES  
 <222> (10)...(10)  
 <223> Xaa = Asp, Glu, Gly, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (11)...(11)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Asn, Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (12)...(12)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (13)...(13)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Thr or Val

<221> MOD\_RES  
 <222> (15)...(15)  
 <223> Xaa = Ala, Phe, Ile, Lys, Leu, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (16)...(16)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (17)...(17)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, or Tyr

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<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Glu, Phe, His, Ile, Lys, Leu, Met,
      Pro, Gln, Arg, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Asp, Glu, His, Asn, Gln, Ser or Thr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,
      Met, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Asp, Gly, His, Asn, Gln, Ser, Thr or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Trp or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Glu, Gly, Leu, Met, Arg, Ser or Thr

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

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<221> MOD_RES
<222> (35)...(35)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg or Ser

<400> 226
Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa
 1          5          10          15
Xaa Xaa Xaa Xaa Cys Asx Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Asp
 20          25          30
Glu Xaa Xaa Cys
 35

<210> 227
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> LDL receptor class A domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Cys, Asp, Glu, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Asn,
      Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Phe, His, Ile, Lys, Leu, Met, Gln,
      Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Glu, Phe, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Asn,
      Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Asp, Glu, Gly, Ile, Lys, Leu, Asn, Pro,
      Gln, Arg, Ser, Thr or Val

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<221> MOD\_RES  
 <222> (11)...(11)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Asn,  
 Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (12)...(12)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or  
 Tyr

<221> MOD\_RES  
 <222> (13)...(13)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,  
 Met, Asn, Gln, Arg, Thr or Val

<221> MOD\_RES  
 <222> (15)...(15)  
 <223> Xaa = Ala, Phe, Ile, Lys, Leu, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (16)...(16)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,  
 Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or  
 Tyr

<221> MOD\_RES  
 <222> (17)...(17)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, or  
 Tyr

<221> MOD\_RES  
 <222> (18)...(18)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,  
 Trp or Tyr

<221> MOD\_RES  
 <222> (19)...(19)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Met,  
 Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (20)...(20)  
 <223> Xaa = Ala, Glu, Phe, His, Ile, Lys, Leu, Met,  
 Pro, Gln, Arg, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (23)...(23)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,  
 Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (24)...(24)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or  
 Tyr

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<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Asp, Glu, His, Asn, Gln, Ser or Thr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Phe, Gly, Leu, Met, Pro, Ser,
      Thr or Val

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Gly, His, Gln or Arg

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ser, Thr or Tyr

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Ala, Glu, Gly, His, Leu, Met, Asn, Pro,
      Arg or Ser

<221> MOD_RES
<222> (35)...(35)
<223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Val or
      Tyr

<221> MOD_RES
<222> (36)...(36)
<223> Xaa = Ala, Asp, Glu, His, Leu, Asn, Gln or Ser

<400> 227
Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1      5      10     15
Xaa Xaa Xaa Xaa Cys Asx Xaa Xaa Xaa Xaa Cys Xaa Asx Xaa Xaa Asp
      20     25     30
Glu Xaa Xaa Xaa Cys
      35

<210> 228
<211> 38
<212> PRT
<213> Artificial Sequence

<220>
<223> LDL receptor class A domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

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<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Cys, Asp, Glu, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Asn,
      Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Phe, His, Ile, Lys, Leu, Met, Gln,
      Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Glu, Phe, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Asn,
      Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Asp, Glu, Gly, Ile, Lys, Leu, Asn, Pro,
      Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Asn,
      Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (12)...(12)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (13)...(13)
<223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Thr or Val

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Phe, Ile, Lys, Leu, Thr, Val or Tyr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

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<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, or
      Tyr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Glu, Phe, His, Ile, Lys, Leu, Met,
      Pro, Gln, Arg, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Asp, Glu, His, Asn, Gln, Ser or Thr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Glu, Gly, Lys, Leu, Pro, Gln, Arg or Ser

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Asp, Asn or Ser

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Asp, Phe, Gly, His, Lys, Asn, Gln, Arg,
      Ser, Trp or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Glu, Leu, Ser or Thr

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<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Asn,
      Pro, Ser, Thr or Trp

<221> MOD_RES
<222> (35)...(35)
<223> Xaa = Ala, Asp, Glu, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg or Ser

<221> MOD_RES
<222> (36)...(36)
<223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,
      Gln, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (37)...(37)
<223> Xaa = Ala, Glu, His, Ile, Leu, Met, Asn, Pro,
      Gln, Arg, Thr, Val or Tyr

<400> 228
Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa
 1           5           10           15
Xaa Xaa Xaa Xaa Cys Asx Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Asp
 20           25           30
Glu Xaa Xaa Xaa Xaa Cys
 35

<210> 229
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> LDL receptor class A domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Pro, Arg, Ser or Thr

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Gly, His, Leu, Asn, Pro,
      Arg, Ser or Thr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Asp, Phe, Gly, Lys, Leu, Asn, Pro, Gln,
      Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Asp, Glu, Phe, Gly, His, Lys, Met, Asn,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Asp, Glu, Gly, Lys, Leu, Asn, Pro, Gln or
      Arg

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<221> MOD\_RES  
 <222> (7)...(7)  
 <223> Xaa = Phe, His, Leu, Val or Trp

<221> MOD\_RES  
 <222> (8)...(8)  
 <223> Xaa = Ala, Glu, Gly, Lys, Leu, Met, Arg, Ser,  
 Thr or Val

<221> MOD\_RES  
 <222> (10)...(10)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Asn,  
 Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD\_RES  
 <222> (11)...(11)  
 <223> Xaa = Asp, Glu, Gly, Ile, Lys, Leu, Asn, Pro,  
 Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (12)...(12)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Asn,  
 Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (13)...(13)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or  
 Tyr

<221> MOD\_RES  
 <222> (14)...(14)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,  
 Met, Asn, Gln, Arg, Thr or Val

<221> MOD\_RES  
 <222> (16)...(16)  
 <223> Xaa = Ala, Phe, Ile, Lys, Leu, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (17)...(17)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,  
 Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or  
 Tyr

<221> MOD\_RES  
 <222> (18)...(18)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, or  
 Tyr

<221> MOD\_RES  
 <222> (19)...(19)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,  
 Trp or Tyr

<221> MOD\_RES  
 <222> (20)...(20)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Met,  
 Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

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<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Glu, Phe, His, Ile, Lys, Leu, Met,
      Pro, Gln, Arg, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Asp, Glu, His, Asn, Gln, Ser or Thr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,
      Met, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Asp, Gly, His, Asn, Gln, Ser, Thr or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Trp or Tyr

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Glu, Gly, Leu, Met, Arg, Ser or Thr

<221> MOD_RES
<222> (35)...(35)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (36)...(36)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg or Ser

<400> 229
Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa
1      5      10      15
Xaa Xaa Xaa Xaa Xaa Cys Asx Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
20      25      30
Asp Glu Xaa Xaa Cys
35

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<210> 230  
 <211> 38  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> LDL receptor class A domain monomer sequence

<221> MOD\_RES  
 <222> (2)...(2)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Asn, Pro, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (3)...(3)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Leu, Asn, Pro, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (4)...(4)  
 <223> Xaa = Asp, Phe, Gly, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (5)...(5)  
 <223> Xaa = Asp, Glu, Phe, Gly, His, Lys, Met, Asn, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (6)...(6)  
 <223> Xaa = Asp, Glu, Gly, Lys, Leu, Asn, Pro, Gln or Arg

<221> MOD\_RES  
 <222> (7)...(7)  
 <223> Xaa = Phe, His, Leu, Val or Trp

<221> MOD\_RES  
 <222> (8)...(8)  
 <223> Xaa = Ala, Glu, Gly, Lys, Leu, Met, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (10)...(10)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD\_RES  
 <222> (11)...(11)  
 <223> Xaa = Asp, Glu, Gly, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (12)...(12)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Asn, Pro, Gln, Arg, Ser, Thr or Tyr

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<221> MOD_RES
<222> (13)...(13)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Thr or Val

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Phe, Ile, Lys, Leu, Thr, Val or Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, or
      Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Glu, Phe, His, Ile, Lys, Leu, Met,
      Pro, Gln, Arg, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

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<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Asp, Glu, His, Asn, Gln, Ser or Thr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Phe, Gly, Leu, Met, Pro, Ser,
      Thr or Val

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Gly, His, Gln or Arg

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ser, Thr or Tyr

<221> MOD_RES
<222> (35)...(35)
<223> Xaa = Ala, Glu, Gly, His, Leu, Met, Asn, Pro,
      Arg or Ser

<221> MOD_RES
<222> (36)...(36)
<223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Val or
      Tyr

<221> MOD_RES
<222> (37)...(37)
<223> Xaa = Ala, Asp, Glu, His, Leu, Asn, Gln or Ser

<400> 230
Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa
 1          5          10          15
Xaa Xaa Xaa Xaa Xaa Cys Asx Xaa Xaa Xaa Xaa Cys Xaa Asx Xaa Xaa
 20          25          30
Asp Glu Xaa Xaa Xaa Cys
 35

<210> 231
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> LDL receptor class A domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Pro, Arg, Ser or Thr

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Gly, His, Leu, Asn, Pro,
      Arg, Ser or Thr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Asp, Phe, Gly, Lys, Leu, Asn, Pro, Gln,
      Arg, Ser, Thr, Val or Tyr

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<221> MOD\_RES  
 <222> (5)...(5)  
 <223> Xaa = Asp, Glu, Phe, Gly, His, Lys, Met, Asn, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (6)...(6)  
 <223> Xaa = Asp, Glu, Gly, Lys, Leu, Asn, Pro, Gln or Arg

<221> MOD\_RES  
 <222> (7)...(7)  
 <223> Xaa = Phe, His, Leu, Val or Trp

<221> MOD\_RES  
 <222> (8)...(8)  
 <223> Xaa = Ala, Glu, Gly, Lys, Leu, Met, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (10)...(10)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD\_RES  
 <222> (11)...(11)  
 <223> Xaa = Asp, Glu, Gly, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (12)...(12)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Asn, Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (13)...(13)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (14)...(14)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Thr or Val

<221> MOD\_RES  
 <222> (16)...(16)  
 <223> Xaa = Ala, Phe, Ile, Lys, Leu, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (17)...(17)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (18)...(18)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, or Tyr

<221> MOD\_RES  
 <222> (19)...(19)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (20)...(20)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (21)...(21)  
 <223> Xaa = Ala, Glu, Phe, His, Ile, Lys, Leu, Met, Pro, Gln, Arg, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (24)...(24)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (25)...(25)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (26)...(26)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (27)...(27)  
 <223> Xaa = Asp, Glu, His, Asn, Gln, Ser or Thr

<221> MOD\_RES  
 <222> (29)...(29)  
 <223> Xaa = Glu, Gly, Lys, Leu, Pro, Gln, Arg or Ser

<221> MOD\_RES  
 <222> (30)...(30)  
 <223> Xaa = Asp, Asn or Ser

<221> MOD\_RES  
 <222> (31)...(31)  
 <223> Xaa = Asp, Phe, Gly, His, Lys, Asn, Gln, Arg, Ser, Trp or Tyr

<221> MOD\_RES  
 <222> (32)...(32)  
 <223> Xaa = Ala, Glu, Leu, Ser or Thr

<221> MOD\_RES  
 <222> (35)...(35)  
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Asn, Pro, Ser, Thr or Trp



<221> MOD\_RES  
 <222> (36)...(36)  
 <223> Xaa = Ala, Asp, Glu, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg or Ser

<221> MOD\_RES  
 <222> (37)...(37)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu, Gln, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (38)...(38)  
 <223> Xaa = Ala, Glu, His, Ile, Leu, Met, Asn, Pro, Gln, Arg, Thr, Val or Tyr

<400> 231  
 Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa  
 1 5 10 15  
 Xaa Xaa Xaa Xaa Xaa Cys Asx Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa  
 20 25 30  
 Asp Glu Xaa Xaa Xaa Xaa Cys  
 35

<210> 232  
 <211> 68  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> EGF domain monomer sequence

<221> MOD\_RES  
 <222> (2)...(15)  
 <223> Xaa = any amino acid, Xaa at positions 5-15 may be present or absent

<221> MOD\_RES  
 <222> (17)...(23)  
 <223> Xaa = any amino acid, Xaa at positions 20-23 may be present or absent

<221> MOD\_RES  
 <222> (25)...(40)  
 <223> Xaa = any amino acid, Xaa at positions 29-40 may be present or absent

<221> MOD\_RES  
 <222> (42)...(43)  
 <223> Xaa = any amino acid, Xaa at position 43 may be present or absent

<221> MOD\_RES  
 <222> (45)...(67)  
 <223> Xaa = any amino acid, Xaa at positions 53-67 may be present or absent

<221> DISULFID  
 <222> (1)...(24)

<221> DISULFID  
 <222> (16)...(44)

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<221> DISULFID
<222> (41)...(68)

<400> 232
Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys
 1          5          10          15
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20          25          30
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Cys Xaa Xaa Xaa Xaa
 35          40          45
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 50          55          60
Xaa Xaa Xaa Cys
65

<210> 233
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Glu, Gly, Met, Asn, Pro, Gln, Arg,
      Ser, Thr or Tyr

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Asn, Pro,
      Gln, Ser, Thr or Val

<221> MOD_RES
<222> (8)...(8)
<223> Xaa = Phe, Gly, His, Leu, Asn, Gln, Ser, Thr or
      Tyr

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Gln, Arg, Ser, Thr, Val or Tyr

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<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (12)...(12)
<223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (13)...(13)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
      Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (22)...(22)
<223> Xaa = Ala, Asp, Glu, Phe, His, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

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<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Glu, Gly, His, Lys, Leu, Asn, Pro,
      Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Phe, His, Ile, Leu, Met, Arg, Thr, Trp or
      Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Asp, Gly or Ser

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Tyr

<400> 233
Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa
 1          5          10          15
Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys
 20          25          30

<210> 234
<211> 31
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

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<221> MOD\_RES  
 <222> (5)...(5)  
 <223> Xaa = Ala, Glu, Gly, Met, Asn, Pro, Gln, Arg,  
 Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (7)...(7)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Asn, Pro,  
 Gln, Ser, Thr or Val

<221> MOD\_RES  
 <222> (8)...(8)  
 <223> Xaa = Phe, Gly, His, Leu, Asn, Gln, Ser, Thr or  
 Tyr

<221> MOD\_RES  
 <222> (9)...(9)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (11)...(11)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or  
 Tyr

<221> MOD\_RES  
 <222> (12)...(12)  
 <223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,  
 Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (13)...(13)  
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,  
 Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,  
 Val or Tyr

<221> MOD\_RES  
 <222> (14)...(14)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,  
 Trp or Tyr

<221> MOD\_RES  
 <222> (15)...(15)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD\_RES  
 <222> (16)...(16)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,  
 Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (17)...(17)  
 <223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,  
 Val or Tyr

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<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (22)...(22)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<400> 234
Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa
1      5      10      15
Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys
20      25      30

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<210> 235  
 <211> 32  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> EGF domain monomer sequence

<221> MOD\_RES  
 <222> (2)...(2)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD\_RES  
 <222> (3)...(3)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met, Asn, Pro, Arg, Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (4)...(4)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD\_RES  
 <222> (5)...(5)  
 <223> Xaa = Ala, Glu, Gly, Met, Asn, Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (7)...(7)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Asn, Pro, Gln, Ser, Thr or Val

<221> MOD\_RES  
 <222> (8)...(8)  
 <223> Xaa = Phe, Gly, His, Leu, Asn, Gln, Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (9)...(9)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (11)...(11)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (12)...(12)  
 <223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (13)...(13)  
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

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<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (22)...(22)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

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<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<400> 235
Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa
 1          5          10          15
Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys
 20          25          30

<210> 236
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Glu, Gly, Met, Asn, Pro, Gln, Arg,
      Ser, Thr or Tyr

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Asn, Pro,
      Gln, Ser, Thr or Val

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<221> MOD_RES
<222> (8)...(8)
<223> Xaa = Phe, Gly, His, Leu, Asn, Gln, Ser, Thr or
      Tyr

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (12)...(12)
<223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (13)...(13)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
      Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

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<221> MOD_RES
<222> (22)...(22)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<400> 236
Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
1      5      10      15
Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
20      25      30
Cys

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<210> 237  
 <211> 34  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> EGF domain monomer sequence

<221> MOD\_RES  
 <222> (2)...(2)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD\_RES  
 <222> (3)...(3)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met, Asn, Pro, Arg, Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (4)...(4)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD\_RES  
 <222> (5)...(5)  
 <223> Xaa = Ala, Glu, Gly, Met, Asn, Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (7)...(7)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Asn, Pro, Gln, Ser, Thr or Val

<221> MOD\_RES  
 <222> (8)...(8)  
 <223> Xaa = Phe, Gly, His, Leu, Asn, Gln, Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (9)...(9)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (11)...(11)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (12)...(12)  
 <223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (13)...(13)  
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

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<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (22)...(22)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

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<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<400> 237
Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa
 1          5          10         15
Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20         25         30
Xaa Cys

<210> 238
<211> 31
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Glu, Phe, Gly, His, Leu, Asn, Pro,
      Gln, Arg, Ser, Thr, Trp or Tyr

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<221> MOD\_RES  
 <222> (5)...(5)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (6)...(6)  
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (8)...(8)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Asn, Pro, Gln, Ser, Thr or Val

<221> MOD\_RES  
 <222> (9)...(9)  
 <223> Xaa = Phe, Gly, His, Leu, Asn, Gln, Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (10)...(10)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (12)...(12)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (13)...(13)  
 <223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (14)...(14)  
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (15)...(15)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (16)...(16)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD\_RES  
 <222> (17)...(17)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

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<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, His, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Glu, Gly, His, Lys, Leu, Asn, Pro,
      Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Phe, His, Ile, Leu, Met, Arg, Thr, Trp or
      Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Asp, Gly or Ser

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Tyr

<400> 238
Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa
1      5      10     15
Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys
20     25     30

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<210> 239  
 <211> 32  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> EGF domain monomer sequence  
  
 <221> MOD\_RES  
 <222> (2)...(2)  
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Gln,  
           Arg, Ser, Thr or Val  
  
 <221> MOD\_RES  
 <222> (3)...(3)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
           Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val  
  
 <221> MOD\_RES  
 <222> (4)...(4)  
 <223> Xaa = Ala, Glu, Phe, Gly, His, Leu, Asn, Pro,  
           Gln, Arg, Ser, Thr, Trp or Tyr  
  
 <221> MOD\_RES  
 <222> (5)...(5)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
           Leu, Asn, Pro, Arg, Ser or Thr  
  
 <221> MOD\_RES  
 <222> (6)...(6)  
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Asn,  
           Pro, Gln, Arg, Ser, Thr, Val or Tyr  
  
 <221> MOD\_RES  
 <222> (8)...(8)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Asn, Pro,  
           Gln, Ser, Thr or Val  
  
 <221> MOD\_RES  
 <222> (9)...(9)  
 <223> Xaa = Phe, Gly, His, Leu, Asn, Gln, Ser, Thr or  
           Tyr  
  
 <221> MOD\_RES  
 <222> (10)...(10)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
           Leu, Asn, Gln, Arg, Ser, Thr, Val or Tyr  
  
 <221> MOD\_RES  
 <222> (12)...(12)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
           Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or  
           Tyr  
  
 <221> MOD\_RES  
 <222> (13)...(13)  
 <223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,  
           Arg, Ser, Thr or Val

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<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
      Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

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<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<400> 239
Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1          5          10          15
Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys
 20          25          30

<210> 240
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Glu, Phe, Gly, His, Leu, Asn, Pro,
      Gln, Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Arg, Ser or Thr

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Asn,
      Pro, Gln, Arg, Ser, Thr, Val or Tyr

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<221> MOD\_RES  
 <222> (8)...(8)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Asn, Pro, Gln, Ser, Thr or Val

<221> MOD\_RES  
 <222> (9)...(9)  
 <223> Xaa = Phe, Gly, His, Leu, Asn, Gln, Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (10)...(10)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (12)...(12)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (13)...(13)  
 <223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (14)...(14)  
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (15)...(15)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (16)...(16)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD\_RES  
 <222> (17)...(17)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (18)...(18)  
 <223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (19)...(19)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

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<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<400> 240
Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa
 1           5           10          15
Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
      20           25           30
Cys

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<210> 241  
 <211> 34  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> EGF domain monomer sequence  
  
 <221> MOD\_RES  
 <222> (2)...(2)  
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Gln,  
           Arg, Ser, Thr or Val  
  
 <221> MOD\_RES  
 <222> (3)...(3)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
           Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val  
  
 <221> MOD\_RES  
 <222> (4)...(4)  
 <223> Xaa = Ala, Glu, Phe, Gly, His, Leu, Asn, Pro,  
           Gln, Arg, Ser, Thr, Trp or Tyr  
  
 <221> MOD\_RES  
 <222> (5)...(5)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
           Leu, Asn, Pro, Arg, Ser or Thr  
  
 <221> MOD\_RES  
 <222> (6)...(6)  
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Asn,  
           Pro, Gln, Arg, Ser, Thr, Val or Tyr  
  
 <221> MOD\_RES  
 <222> (8)...(8)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Asn, Pro,  
           Gln, Ser, Thr or Val  
  
 <221> MOD\_RES  
 <222> (9)...(9)  
 <223> Xaa = Phe, Gly, His, Leu, Asn, Gln, Ser, Thr or  
           Tyr  
  
 <221> MOD\_RES  
 <222> (10)...(10)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
           Leu, Asn, Gln, Arg, Ser, Thr, Val or Tyr  
  
 <221> MOD\_RES  
 <222> (12)...(12)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
           Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or  
           Tyr  
  
 <221> MOD\_RES  
 <222> (13)...(13)  
 <223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,  
           Arg, Ser, Thr or Val

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<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
      Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

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<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<400> 241
Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa
 1          5          10          15
Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20          25          30
Xaa Cys

<210> 242
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Glu, Phe, Gly, His, Leu, Asn, Pro,
      Gln, Arg, Ser, Thr, Trp or Tyr

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<221> MOD\_RES  
 <222> (5)...(5)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (6)...(6)  
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (8)...(8)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Asn, Pro, Gln, Ser, Thr or Val

<221> MOD\_RES  
 <222> (9)...(9)  
 <223> Xaa = Phe, Gly, His, Leu, Asn, Gln, Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (10)...(10)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (12)...(12)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (13)...(13)  
 <223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (14)...(14)  
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (15)...(15)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (16)...(16)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD\_RES  
 <222> (17)...(17)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

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<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

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<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<400> 242
Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
1          5          10          15
Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
20          25          30
Xaa Xaa Cys
35

<210> 243
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Tyr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Trp

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Val or Tyr

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<221> MOD\_RES  
 <222> (7)...(7)  
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (9)...(9)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Asn, Pro, Gln, Ser, Thr or Val

<221> MOD\_RES  
 <222> (10)...(10)  
 <223> Xaa = Phe, Gly, His, Leu, Asn, Gln, Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (11)...(11)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (13)...(13)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (14)...(14)  
 <223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (15)...(15)  
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (16)...(16)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (17)...(17)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD\_RES  
 <222> (18)...(18)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (19)...(19)  
 <223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr, Val or Tyr

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<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (22)...(22)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, His, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Glu, Gly, His, Lys, Leu, Asn, Pro,
      Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Phe, His, Ile, Leu, Met, Arg, Thr, Trp or
      Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Asp, Gly or Ser

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Tyr

<400> 243
Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
1      5      10      15
Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys
20      25      30

<210> 244
<211> 33
<212> PRT
<213> Artificial Sequence

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<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Tyr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Trp

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Asn, Pro,
      Gln, Ser, Thr or Val

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Phe, Gly, His, Leu, Asn, Gln, Ser, Thr or
      Tyr

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (13)...(13)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,
      Arg, Ser, Thr or Val

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<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
      Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (22)...(22)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

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<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<400> 244
Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
 1           5           10          15
Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20          25          30
Cys

<210> 245
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Tyr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Trp

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Val or Tyr

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<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Asn, Pro,
      Gln, Ser, Thr or Val

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Phe, Gly, His, Leu, Asn, Gln, Ser, Thr or
      Tyr

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (13)...(13)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
      Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

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<221> MOD\_RES  
 <222> (20)...(20)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,  
 Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (22)...(22)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,  
 Trp or Tyr

<221> MOD\_RES  
 <222> (24)...(24)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (25)...(25)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,  
 Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (26)...(26)  
 <223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD\_RES  
 <222> (27)...(27)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,  
 Arg, Ser, Thr, Trp or Tyr

<221> MOD\_RES  
 <222> (28)...(28)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (29)...(29)  
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,  
 Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (30)...(30)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,  
 Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD\_RES  
 <222> (31)...(31)  
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,  
 Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (32)...(32)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD\_RES  
 <222> (33)...(33)  
 <223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,  
 Asn, Pro, Gln, Arg, Ser, Thr or Trp

<400> 245  
 Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa  
 1 5 10 15  
 Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 20 25 30  
 Xaa Cys

<210> 246  
 <211> 35  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> EGF domain monomer sequence

<221> MOD\_RES  
 <222> (2)...(2)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Ile, Lys, Leu,  
 Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (3)...(3)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or  
 Tyr

<221> MOD\_RES  
 <222> (4)...(4)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or  
 Trp

<221> MOD\_RES  
 <222> (5)...(5)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (6)...(6)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD\_RES  
 <222> (7)...(7)  
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,  
 Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (9)...(9)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Asn, Pro,  
 Gln, Ser, Thr or Val

<221> MOD\_RES  
 <222> (10)...(10)  
 <223> Xaa = Phe, Gly, His, Leu, Asn, Gln, Ser, Thr or  
 Tyr

<221> MOD\_RES  
 <222> (11)...(11)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Asn, Gln, Arg, Ser, Thr, Val or Tyr

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<221> MOD_RES
<222> (13)...(13)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
      Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (22)...(22)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

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<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<400> 246
Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa
1      5      10      15
Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
20      25      30
Xaa Xaa Cys
35

<210> 247
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

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<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Tyr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Trp

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Asn, Pro,
      Gln, Ser, Thr or Val

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Phe, Gly, His, Leu, Asn, Gln, Ser, Thr or
      Tyr

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (13)...(13)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,
      Arg, Ser, Thr or Val

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<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
      Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (22)...(22)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

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<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (35)...(35)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<400> 247
Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
1      5      10      15
Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
20      25      30
Xaa Xaa Xaa Cys
35

<210> 248
<211> 31
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Arg, Ser, Thr or Tyr

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<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Glu, Gly, Met, Asn, Pro, Gln, Arg,
      Ser, Thr or Tyr

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (8)...(8)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Gly or Thr

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (12)...(12)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (13)...(13)
<223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
      Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

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<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
Val or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
Trp or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, His, Lys, Leu, Met,
Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Glu, Gly, His, Lys, Leu, Asn, Pro,
Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Phe, His, Ile, Leu, Met, Arg, Thr, Trp or
Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Asp, Gly or Ser

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
Met, Asn, Gln, Arg, Ser, Thr or Tyr

<400> 248
Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
1      5      10     15
Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys
20     25     30

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<210> 249  
 <211> 32  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> EGF domain monomer sequence  
  
 <221> MOD\_RES  
 <222> (2)...(2)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
           Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp  
  
 <221> MOD\_RES  
 <222> (3)...(3)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,  
           Asn, Pro, Arg, Ser, Thr or Tyr  
  
 <221> MOD\_RES  
 <222> (4)...(4)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,  
           Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp  
  
 <221> MOD\_RES  
 <222> (5)...(5)  
 <223> Xaa = Ala, Glu, Gly, Met, Asn, Pro, Gln, Arg,  
           Ser, Thr or Tyr  
  
 <221> MOD\_RES  
 <222> (7)...(7)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
           Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val  
  
 <221> MOD\_RES  
 <222> (8)...(8)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,  
           Asn, Pro, Gln, Arg, Ser, Thr or Tyr  
  
 <221> MOD\_RES  
 <222> (9)...(9)  
 <223> Xaa = Ala, Gly or Thr  
  
 <221> MOD\_RES  
 <222> (10)...(10)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,  
           Met, Asn, Gln, Arg, Ser, Thr or Val  
  
 <221> MOD\_RES  
 <222> (12)...(12)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
           Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or  
           Tyr  
  
 <221> MOD\_RES  
 <222> (13)...(13)  
 <223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,  
           Arg, Ser, Thr or Val

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<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
      Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

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<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<400> 249
Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa
 1           5           10           15
Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys
      20           25           30

<210> 250
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Glu, Gly, Met, Asn, Pro, Gln, Arg,
      Ser, Thr or Tyr

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

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<221> MOD_RES
<222> (8)...(8)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Gly or Thr

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (12)...(12)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (13)...(13)
<223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
      Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

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<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<400> 250
Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
1      5      10      15
Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
20      25      30
Cys

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<210> 251  
 <211> 34  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> EGF domain monomer sequence  
  
 <221> MOD\_RES  
 <222> (2)...(2)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
       Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp  
  
 <221> MOD\_RES  
 <222> (3)...(3)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,  
       Asn, Pro, Arg, Ser, Thr or Tyr  
  
 <221> MOD\_RES  
 <222> (4)...(4)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,  
       Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp  
  
 <221> MOD\_RES  
 <222> (5)...(5)  
 <223> Xaa = Ala, Glu, Gly, Met, Asn, Pro, Gln, Arg,  
       Ser, Thr or Tyr  
  
 <221> MOD\_RES  
 <222> (7)...(7)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
       Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val  
  
 <221> MOD\_RES  
 <222> (8)...(8)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,  
       Asn, Pro, Gln, Arg, Ser, Thr or Tyr  
  
 <221> MOD\_RES  
 <222> (9)...(9)  
 <223> Xaa = Ala, Gly or Thr  
  
 <221> MOD\_RES  
 <222> (10)...(10)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,  
       Met, Asn, Gln, Arg, Ser, Thr or Val  
  
 <221> MOD\_RES  
 <222> (12)...(12)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
       Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or  
       Tyr  
  
 <221> MOD\_RES  
 <222> (13)...(13)  
 <223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,  
       Arg, Ser, Thr or Val



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<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
      Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

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<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<400> 251
Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa
 1          5          10          15
Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
20          25          30
Xaa Cys

<210> 252
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

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<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Glu, Gly, Met, Asn, Pro, Gln, Arg,
      Ser, Thr or Tyr

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (8)...(8)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Gly or Thr

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (12)...(12)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (13)...(13)
<223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
      Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

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<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

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<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<400> 252
Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa
1      5      10      15
Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
20      25      30
Xaa Xaa Cys
35

<210> 253
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Glu, Gly, Met, Asn, Pro, Gln, Arg,
      Ser, Thr or Tyr

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (8)...(8)
<223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Gln, Arg, Ser, Thr or Tyr

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<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Ala, Phe, Gly, His, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (13)...(13)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
      Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (22)...(22)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

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<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, His, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Glu, Gly, His, Lys, Leu, Asn, Pro,
      Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Phe, His, Ile, Leu, Met, Arg, Thr, Trp or
      Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Asp, Gly or Ser

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Tyr

<400> 253
Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
 1          5          10          15
Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys
      20          25          30

<210> 254
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

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<221> MOD\_RES  
 <222> (3)...(3)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,  
 Asn, Pro, Arg, Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (4)...(4)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,  
 Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD\_RES  
 <222> (5)...(5)  
 <223> Xaa = Ala, Glu, Gly, Met, Asn, Pro, Gln, Arg,  
 Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (7)...(7)  
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD\_RES  
 <222> (8)...(8)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,  
 Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (9)...(9)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,  
 Asn, Gln, Arg, Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (10)...(10)  
 <223> Xaa = Ala, Phe, Gly, His, Gln, Ser, Thr or Val

<221> MOD\_RES  
 <222> (11)...(11)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,  
 Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (13)...(13)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or  
 Tyr

<221> MOD\_RES  
 <222> (14)...(14)  
 <223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,  
 Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (15)...(15)  
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,  
 Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,  
 Val or Tyr

<221> MOD\_RES  
 <222> (16)...(16)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,  
 Trp or Tyr



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<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (22)...(22)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

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<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<400> 254
Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
 1          5          10          15
Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20          25          30
Cys

<210> 255
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Glu, Gly, Met, Asn, Pro, Gln, Arg,
      Ser, Thr or Tyr

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (8)...(8)
<223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Gln, Arg, Ser, Thr or Tyr

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<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Ala, Phe, Gly, His, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (13)...(13)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
      Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (22)...(22)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

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<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<400> 255
Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
 1          5          10          15
Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20          25          30
Xaa Cys

<210> 256
<211> 35
<212> PRT
<213> Artificial Sequence

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<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Glu, Gly, Met, Asn, Pro, Gln, Arg,
      Ser, Thr or Tyr

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (8)...(8)
<223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Ala, Phe, Gly, His, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (13)...(13)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,
      Arg, Ser, Thr or Val

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<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
      Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (22)...(22)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

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<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<400> 256
Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
 1           5           10          15
Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20          25          30
Xaa Xaa Cys
 35

<210> 257
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

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<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Glu, Gly, Met, Asn, Pro, Gln, Arg,
      Ser, Thr or Tyr

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (8)...(8)
<223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Ala, Phe, Gly, His, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (13)...(13)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
      Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

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<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (22)...(22)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

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<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (35)...(35)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<400> 257
Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
 1          5          10          15
Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20          25          30
Xaa Xaa Xaa Cys
 35

<210> 258
<211> 31
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Glu, Gly, Met, Asn, Pro, Gln, Arg,
      Ser, Thr or Tyr

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Asn, Pro,
      Gln, Ser, Thr or Val

<221> MOD_RES
<222> (8)...(8)
<223> Xaa = Phe, Gly, His, Leu, Asn, Gln, Ser, Thr or
      Tyr

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<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (12)...(12)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn,
      Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (13)...(13)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn,
      Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg,
      Ser or Thr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn,
      Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser,
      Thr, Val or Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln,
      Arg, Ser or Thr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, His, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

```

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<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Glu, Gly, His, Lys, Leu, Asn, Pro,
      Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Phe, His, Ile, Leu, Met, Arg, Thr, Trp or
      Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Asp, Gly or Ser

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Tyr

<400> 258
Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa
1      5      10      15
Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys
      20      25      30

<210> 259
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Arg, Ser, Thr or Tyr

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<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Glu, Gly, Met, Asn, Pro, Gln, Arg,
      Ser, Thr or Tyr

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Asn, Pro,
      Gln, Ser, Thr or Val

<221> MOD_RES
<222> (8)...(8)
<223> Xaa = Phe, Gly, His, Leu, Asn, Gln, Ser, Thr or
      Tyr

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (12)...(12)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn,
      Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (13)...(13)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn,
      Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg,
      Ser or Thr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn,
      Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser,
      Thr, Val or Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln,
      Arg, Ser or Thr

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<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

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<400> 259  
 Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 1 5 10 15  
 Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys  
 20 25 30

<210> 260  
 <211> 33  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> EGF domain monomer sequence

<221> MOD\_RES  
 <222> (2)...(2)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD\_RES  
 <222> (3)...(3)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,  
 Asn, Pro, Arg, Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (4)...(4)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,  
 Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD\_RES  
 <222> (5)...(5)  
 <223> Xaa = Ala, Glu, Gly, Met, Asn, Pro, Gln, Arg,  
 Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (7)...(7)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Asn, Pro,  
 Gln, Ser, Thr or Val

<221> MOD\_RES  
 <222> (8)...(8)  
 <223> Xaa = Phe, Gly, His, Leu, Asn, Gln, Ser, Thr or  
 Tyr

<221> MOD\_RES  
 <222> (9)...(9)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (11)...(11)  
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met,  
 Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (12)...(12)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn,  
 Pro, Gln, Arg, Ser, Val or Tyr

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<221> MOD_RES
<222> (13)...(13)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn,
      Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg,
      Ser or Thr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn,
      Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser,
      Thr, Val or Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln,
      Arg, Ser or Thr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

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<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<400> 260
Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa
 1          5          10          15
Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20          25          30
Cys

<210> 261
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

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<221> MOD\_RES  
 <222> (5)...(5)  
 <223> Xaa = Ala, Glu, Gly, Met, Asn, Pro, Gln, Arg,  
 Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (7)...(7)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Asn, Pro,  
 Gln, Ser, Thr or Val

<221> MOD\_RES  
 <222> (8)...(8)  
 <223> Xaa = Phe, Gly, His, Leu, Asn, Gln, Ser, Thr or  
 Tyr

<221> MOD\_RES  
 <222> (9)...(9)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (11)...(11)  
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met,  
 Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (12)...(12)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn,  
 Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD\_RES  
 <222> (13)...(13)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn,  
 Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (14)...(14)  
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg,  
 Ser or Thr

<221> MOD\_RES  
 <222> (15)...(15)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn,  
 Pro, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (16)...(16)  
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser,  
 Thr, Val or Tyr

<221> MOD\_RES  
 <222> (17)...(17)  
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln,  
 Arg, Ser or Thr

<221> MOD\_RES  
 <222> (18)...(18)  
 <223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

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<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

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<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<400> 261
Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa
 1          5          10         15
Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20          25          30
Xaa Cys

<210> 262
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Glu, Gly, Met, Asn, Pro, Gln, Arg,
      Ser, Thr or Tyr

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Asn, Pro,
      Gln, Ser, Thr or Val

<221> MOD_RES
<222> (8)...(8)
<223> Xaa = Phe, Gly, His, Leu, Asn, Gln, Ser, Thr or
      Tyr

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val or Tyr

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<221> MOD_RES
<222> (12)...(12)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn,
      Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (13)...(13)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn,
      Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg,
      Ser or Thr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn,
      Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser,
      Thr, Val or Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln,
      Arg, Ser or Thr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

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<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<400> 262
Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
1      5      10      15
Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
20      25      30
Xaa Xaa Cys
35

<210> 263
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

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<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Glu, Phe, Gly, His, Leu, Asn, Pro,
      Gln, Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Arg, Ser or Thr

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Asn,
      Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (8)...(8)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Ala, Gly or Thr

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (13)...(13)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
      Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
      Val or Tyr

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<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (22)...(22)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, His, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Glu, Gly, His, Lys, Leu, Asn, Pro,
      Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Phe, His, Ile, Leu, Met, Arg, Thr, Trp or
      Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Asp, Gly or Ser

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<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Tyr

<400> 263
Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
 1          5          10          15
Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys
 20          25          30

<210> 264
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Glu, Phe, Gly, His, Leu, Asn, Pro,
      Gln, Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Arg, Ser or Thr

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Asn,
      Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (8)...(8)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr or Tyr

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<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Ala, Gly or Thr

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (13)...(13)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
      Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (22)...(22)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

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<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<400> 264
Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
 1          5          10          15
Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20          25          30
Cys

<210> 265
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

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<221> MOD\_RES  
 <222> (2)...(2)  
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (3)...(3)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (4)...(4)  
 <223> Xaa = Ala, Glu, Phe, Gly, His, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Trp or Tyr

<221> MOD\_RES  
 <222> (5)...(5)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (6)...(6)  
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (8)...(8)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (9)...(9)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (10)...(10)  
 <223> Xaa = Ala, Gly or Thr

<221> MOD\_RES  
 <222> (11)...(11)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (13)...(13)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (14)...(14)  
 <223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (15)...(15)  
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

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<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (22)...(22)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

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<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<400> 265
Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
 1          5          10          15
Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20          25          30
Xaa Cys

<210> 266
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Glu, Phe, Gly, His, Leu, Asn, Pro,
      Gln, Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Arg, Ser or Thr

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Asn,
      Pro, Gln, Arg, Ser, Thr, Val or Tyr

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<221> MOD\_RES  
 <222> (8)...(8)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (9)...(9)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (10)...(10)  
 <223> Xaa = Ala, Gly or Thr

<221> MOD\_RES  
 <222> (11)...(11)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (13)...(13)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (14)...(14)  
 <223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (15)...(15)  
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (16)...(16)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (17)...(17)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD\_RES  
 <222> (18)...(18)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (19)...(19)  
 <223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (20)...(20)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

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<221> MOD_RES
<222> (22)...(22)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

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<400> 266
Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
 1           5           10           15
Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20           25           30
Xaa Xaa Cys
 35

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<210> 267
<211> 36
<212> PRT
<213> Artificial Sequence

```

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<220>
<223> EGF domain monomer sequence

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<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Gln,
      Arg, Ser, Thr or Val

```

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<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

```

```

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Glu, Phe, Gly, His, Leu, Asn, Pro,
      Gln, Arg, Ser, Thr, Trp or Tyr

```

```

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Arg, Ser or Thr

```

```

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Asn,
      Pro, Gln, Arg, Ser, Thr, Val or Tyr

```

```

<221> MOD_RES
<222> (8)...(8)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

```

```

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr or Tyr

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<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Ala, Gly or Thr

```

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<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Val

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<221> MOD_RES
<222> (13)...(13)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
      Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (22)...(22)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

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<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (35)...(35)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<400> 267
Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
 1          5          10          15
Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20          25          30
Xaa Xaa Xaa Cys
 35

<210> 268
<211> 33
<212> PRT
<213> Artificial Sequence

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<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Tyr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Trp

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Ala, Gly or Thr

<221> MOD_RES
<222> (12)...(12)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

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<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
      Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, His, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Glu, Gly, His, Lys, Leu, Asn, Pro,
      Arg, Ser, Thr or Tyr

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<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Phe, His, Ile, Leu, Met, Arg, Thr, Trp or
      Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Asp, Gly or Ser

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Tyr

<400> 268
Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa
 1          5          10          15
Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa
      20          25          30
Cys

<210> 269
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Tyr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Trp

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

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<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Ala, Gly or Thr

<221> MOD_RES
<222> (12)...(12)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
      Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

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<221> MOD\_RES  
 <222> (20)...(20)  
 <223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,  
 Val or Tyr

<221> MOD\_RES  
 <222> (21)...(21)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,  
 Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (23)...(23)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,  
 Trp or Tyr

<221> MOD\_RES  
 <222> (25)...(25)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (26)...(26)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,  
 Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (27)...(27)  
 <223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD\_RES  
 <222> (28)...(28)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,  
 Arg, Ser, Thr, Trp or Tyr

<221> MOD\_RES  
 <222> (29)...(29)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (30)...(30)  
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,  
 Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (31)...(31)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,  
 Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD\_RES  
 <222> (32)...(32)  
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,  
 Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (33)...(33)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Gln, Ser, Thr or Val



<400> 269  
 Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa  
 1 5 10 15  
 Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 20 25 30  
 Xaa Cys

<210> 270  
 <211> 35  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> EGF domain monomer sequence

<221> MOD\_RES  
 <222> (2)...(2)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Ile, Lys, Leu,  
 Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (3)...(3)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or  
 Tyr

<221> MOD\_RES  
 <222> (4)...(4)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or  
 Trp

<221> MOD\_RES  
 <222> (5)...(5)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (6)...(6)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD\_RES  
 <222> (7)...(7)  
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,  
 Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (9)...(9)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (10)...(10)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,  
 Asn, Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (11)...(11)  
 <223> Xaa = Ala, Gly or Thr

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<221> MOD_RES
<222> (12)...(12)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
      Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

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<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<400> 270
Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa
1      5      10      15
Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa
20      25      30
Xaa Xaa Cys
35

<210> 271
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

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<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Tyr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Trp

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Ala, Gly or Thr

<221> MOD_RES
<222> (12)...(12)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,
      Arg, Ser, Thr or Val

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<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
      Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

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<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<221> MOD_RES
<222> (35)...(35)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<400> 271
Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa
 1          5          10          15
Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20          25          30
Xaa Xaa Xaa Cys
 35

<210> 272
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Tyr

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<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Trp

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Ala, Gly or Thr

<221> MOD_RES
<222> (12)...(12)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
      Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
      Val or Tyr

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<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

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<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<221> MOD_RES
<222> (35)...(35)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (36)...(36)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<400> 272
Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa
 1          5          10          15
Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20          25          30
Xaa Xaa Xaa Xaa Cys
 35

<210> 273
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Glu, Phe, Gly, His, Leu, Asn, Pro,
      Gln, Arg, Ser, Thr, Trp or Tyr

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<221> MOD\_RES  
 <222> (5)...(5)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (6)...(6)  
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (8)...(8)  
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD\_RES  
 <222> (9)...(9)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (10)...(10)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Asn, Gln, Arg, Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (11)...(11)  
 <223> Xaa = Ala, Phe, Gly, His, Gln, Ser, Thr or Val

<221> MOD\_RES  
 <222> (12)...(12)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (14)...(14)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (15)...(15)  
 <223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (16)...(16)  
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (17)...(17)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (18)...(18)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD\_RES  
 <222> (19)...(19)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,  
 Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (20)...(20)  
 <223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,  
 Val or Tyr

<221> MOD\_RES  
 <222> (21)...(21)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,  
 Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (23)...(23)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,  
 Trp or Tyr

<221> MOD\_RES  
 <222> (25)...(25)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Lys, Leu, Met,  
 Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (26)...(26)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,  
 Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (27)...(27)  
 <223> Xaa = Ala, Glu, Gly, His, Lys, Leu, Asn, Pro,  
 Arg, Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (28)...(28)  
 <223> Xaa = Phe, His, Ile, Leu, Met, Arg, Thr, Trp or  
 Tyr

<221> MOD\_RES  
 <222> (29)...(29)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (30)...(30)  
 <223> Xaa = Asp, Gly or Ser

<221> MOD\_RES  
 <222> (31)...(31)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,  
 Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (32)...(32)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,  
 Met, Asn, Gln, Arg, Ser, Thr or Tyr

<400> 273  
 Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa  
 1 5 10 15  
 Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 20 25 30  
 Cys

<210> 274  
 <211> 34  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> EGF domain monomer sequence

<221> MOD\_RES  
 <222> (2)...(2)  
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Gln,  
 Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (3)...(3)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (4)...(4)  
 <223> Xaa = Ala, Glu, Phe, Gly, His, Leu, Asn, Pro,  
 Gln, Arg, Ser, Thr, Trp or Tyr

<221> MOD\_RES  
 <222> (5)...(5)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Asn, Pro, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (6)...(6)  
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Asn,  
 Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (8)...(8)  
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD\_RES  
 <222> (9)...(9)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,  
 Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (10)...(10)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,  
 Asn, Gln, Arg, Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (11)...(11)  
 <223> Xaa = Ala, Phe, Gly, His, Gln, Ser, Thr or Val

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<221> MOD_RES
<222> (12)...(12)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
      Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

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<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<400> 274
Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa
 1          5          10          15
Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20          25          30
Xaa Cys

<210> 275
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Gln,
      Arg, Ser, Thr or Val

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<221> MOD\_RES  
 <222> (3)...(3)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (4)...(4)  
 <223> Xaa = Ala, Glu, Phe, Gly, His, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Trp or Tyr

<221> MOD\_RES  
 <222> (5)...(5)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (6)...(6)  
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (8)...(8)  
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD\_RES  
 <222> (9)...(9)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (10)...(10)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Asn, Gln, Arg, Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (11)...(11)  
 <223> Xaa = Ala, Phe, Gly, His, Gln, Ser, Thr or Val

<221> MOD\_RES  
 <222> (12)...(12)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (14)...(14)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (15)...(15)  
 <223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (16)...(16)  
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

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<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

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<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<400> 275
Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa
 1              5              10              15
Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20              25              30
Xaa Xaa Cys
 35

<210> 276
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Glu, Phe, Gly, His, Leu, Asn, Pro,
      Gln, Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Arg, Ser or Thr

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Asn,
      Pro, Gln, Arg, Ser, Thr, Val or Tyr

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<221> MOD_RES
<222> (8)...(8)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Ala, Phe, Gly, His, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (12)...(12)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
      Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

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<221> MOD\_RES  
 <222> (21)...(21)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,  
 Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (23)...(23)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,  
 Trp or Tyr

<221> MOD\_RES  
 <222> (25)...(25)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (26)...(26)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,  
 Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (27)...(27)  
 <223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD\_RES  
 <222> (28)...(28)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,  
 Arg, Ser, Thr, Trp or Tyr

<221> MOD\_RES  
 <222> (29)...(29)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (30)...(30)  
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,  
 Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (31)...(31)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,  
 Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD\_RES  
 <222> (32)...(32)  
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,  
 Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (33)...(33)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD\_RES  
 <222> (34)...(34)  
 <223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,  
 Asn, Pro, Gln, Arg, Ser, Thr or Trp

<221> MOD\_RES  
 <222> (35)...(35)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,  
 Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<400> 276  
 Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa  
 1 5 10 15  
 Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 20 25 30  
 Xaa Xaa Xaa Cys  
 35

<210> 277  
 <211> 37  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> EGF domain monomer sequence

<221> MOD\_RES  
 <222> (2)...(2)  
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Gln,  
 Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (3)...(3)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (4)...(4)  
 <223> Xaa = Ala, Glu, Phe, Gly, His, Leu, Asn, Pro,  
 Gln, Arg, Ser, Thr, Trp or Tyr

<221> MOD\_RES  
 <222> (5)...(5)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Asn, Pro, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (6)...(6)  
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Asn,  
 Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (8)...(8)  
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD\_RES  
 <222> (9)...(9)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,  
 Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (10)...(10)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,  
 Asn, Gln, Arg, Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (11)...(11)  
 <223> Xaa = Ala, Phe, Gly, His, Gln, Ser, Thr or Val

<221> MOD\_RES  
 <222> (12)...(12)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (14)...(14)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (15)...(15)  
 <223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (16)...(16)  
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (17)...(17)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (18)...(18)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD\_RES  
 <222> (19)...(19)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (20)...(20)  
 <223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (21)...(21)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (23)...(23)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

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<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<221> MOD_RES
<222> (35)...(35)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (36)...(36)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

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<400> 277  
 Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa  
 1 5 10 15  
 Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 20 25 30  
 Xaa Xaa Xaa Xaa Cys  
 35

<210> 278

<211> 34

<212> PRT

<213> Artificial Sequence

<220>

<223> EGF domain monomer sequence

<221> MOD\_RES

<222> (2)...(2)

<223> Xaa = Ala, Asp, Glu, Phe, Gly, Ile, Lys, Leu,  
 Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES

<222> (3)...(3)

<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or  
 Tyr

<221> MOD\_RES

<222> (4)...(4)

<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or  
 Trp

<221> MOD\_RES

<222> (5)...(5)

<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES

<222> (6)...(6)

<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD\_RES

<222> (7)...(7)

<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,  
 Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES

<222> (9)...(9)

<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD\_RES

<222> (10)...(10)

<223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,  
 Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

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<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (12)...(12)
<223> Xaa = Ala, Phe, Gly, His, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (13)...(13)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
      Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (22)...(22)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

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<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, His, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Glu, Gly, His, Lys, Leu, Asn, Pro,
      Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Phe, His, Ile, Leu, Met, Arg, Thr, Trp or
      Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Asp, Gly or Ser

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Tyr

<400> 278
Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1      5      10     15
Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20     25     30
Xaa Cys

<210> 279
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

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<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Tyr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Trp

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (12)...(12)
<223> Xaa = Ala, Phe, Gly, His, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (13)...(13)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

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<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
      Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (22)...(22)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

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<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<400> 279
Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa
 1          5          10          15
Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20          25          30
Xaa Xaa Cys
 35

<210> 280
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Tyr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Trp

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<221> MOD\_RES  
 <222> (5)...(5)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (6)...(6)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD\_RES  
 <222> (7)...(7)  
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,  
 Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (9)...(9)  
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD\_RES  
 <222> (10)...(10)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,  
 Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (11)...(11)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,  
 Asn, Gln, Arg, Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (12)...(12)  
 <223> Xaa = Ala, Phe, Gly, His, Gln, Ser, Thr or Val

<221> MOD\_RES  
 <222> (13)...(13)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,  
 Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (15)...(15)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or  
 Tyr

<221> MOD\_RES  
 <222> (16)...(16)  
 <223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,  
 Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (17)...(17)  
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,  
 Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,  
 Val or Tyr

<221> MOD\_RES  
 <222> (18)...(18)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,  
 Trp or Tyr

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<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (22)...(22)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

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<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (35)...(35)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<400> 280
Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa
1          5          10          15
Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa
20          25          30
Xaa Xaa Xaa Xaa Cys
35

<210> 281
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Tyr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Trp

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Val or Tyr

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<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (12)...(12)
<223> Xaa = Ala, Phe, Gly, His, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (13)...(13)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or
      Tyr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,
      Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

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<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,
      Val or Tyr

<221> MOD_RES
<222> (22)...(22)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

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<221> MOD_RES
<222> (35)...(35)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<221> MOD_RES
<222> (36)...(36)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<400> 281
Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa
 1           5           10           15
Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa
 20           25           30
Xaa Xaa Xaa Xaa Cys
 35

<210> 282
<211> 38
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Tyr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Trp

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

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<221> MOD\_RES  
 <222> (9)...(9)  
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD\_RES  
 <222> (10)...(10)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,  
 Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (11)...(11)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,  
 Asn, Gln, Arg, Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (12)...(12)  
 <223> Xaa = Ala, Phe, Gly, His, Gln, Ser, Thr or Val

<221> MOD\_RES  
 <222> (13)...(13)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,  
 Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (15)...(15)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or  
 Tyr

<221> MOD\_RES  
 <222> (16)...(16)  
 <223> Xaa = Ala, Asp, Glu, Lys, Leu, Asn, Pro, Gln,  
 Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (17)...(17)  
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Ile,  
 Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr,  
 Val or Tyr

<221> MOD\_RES  
 <222> (18)...(18)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,  
 Trp or Tyr

<221> MOD\_RES  
 <222> (19)...(19)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD\_RES  
 <222> (20)...(20)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,  
 Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (21)...(21)  
 <223> Xaa = Ala, Phe, His, Ile, Leu, Pro, Arg, Thr,  
 Val or Tyr

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<221> MOD_RES
<222> (22)...(22)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (35)...(35)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

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<221> MOD_RES
<222> (36)...(36)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (37)...(37)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<400> 282
Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa
 1          5          10          15
Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa
 20          25          30
Xaa Xaa Xaa Xaa Xaa Cys
 35

<210> 283
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Glu, Phe, Gly, His, Leu, Asn, Pro,
      Gln, Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Arg, Ser or Thr

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Asn,
      Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (8)...(8)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Asn, Pro,
      Gln, Ser, Thr or Val

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Phe, Gly, His, Leu, Asn, Gln, Ser, Thr or
      Tyr

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<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (12)...(12)
<223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (13)...(13)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn,
      Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn,
      Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg,
      Ser or Thr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn,
      Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser,
      Thr, Val or Tyr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln,
      Arg, Ser or Thr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (22)...(22)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, His, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

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<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Glu, Gly, His, Lys, Leu, Asn, Pro,
      Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Phe, His, Ile, Leu, Met, Arg, Thr, Trp or
      Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Asp, Gly or Ser

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Tyr

<400> 283
Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
 1          5          10          15
Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys
 20          25          30

<210> 284
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

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<221> MOD\_RES  
 <222> (4)...(4)  
 <223> Xaa = Ala, Glu, Phe, Gly, His, Leu, Asn, Pro,  
 Gln, Arg, Ser, Thr, Trp or Tyr

<221> MOD\_RES  
 <222> (5)...(5)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Asn, Pro, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (6)...(6)  
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Asn,  
 Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (8)...(8)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Asn, Pro,  
 Gln, Ser, Thr or Val

<221> MOD\_RES  
 <222> (9)...(9)  
 <223> Xaa = Phe, Gly, His, Leu, Asn, Gln, Ser, Thr or  
 Tyr

<221> MOD\_RES  
 <222> (10)...(10)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (12)...(12)  
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met,  
 Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (13)...(13)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn,  
 Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD\_RES  
 <222> (14)...(14)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn,  
 Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (15)...(15)  
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg,  
 Ser or Thr

<221> MOD\_RES  
 <222> (16)...(16)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn,  
 Pro, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (17)...(17)  
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser,  
 Thr, Val or Tyr



<221> MOD\_RES  
 <222> (18)...(18)  
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln,  
 Arg, Ser or Thr

<221> MOD\_RES  
 <222> (19)...(19)  
 <223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (20)...(20)  
 <223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr,  
 Val or Tyr

<221> MOD\_RES  
 <222> (22)...(22)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,  
 Trp or Tyr

<221> MOD\_RES  
 <222> (24)...(24)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (25)...(25)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,  
 Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (26)...(26)  
 <223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD\_RES  
 <222> (27)...(27)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,  
 Arg, Ser, Thr, Trp or Tyr

<221> MOD\_RES  
 <222> (28)...(28)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (29)...(29)  
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,  
 Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (30)...(30)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,  
 Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD\_RES  
 <222> (31)...(31)  
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,  
 Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

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<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<400> 284
Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa
 1           5           10           15
Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
      20           25           30
Cys

<210> 285
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Glu, Phe, Gly, His, Leu, Asn, Pro,
      Gln, Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Arg, Ser or Thr

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Asn,
      Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (8)...(8)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Asn, Pro,
      Gln, Ser, Thr or Val

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Phe, Gly, His, Leu, Asn, Gln, Ser, Thr or
      Tyr

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Gln, Arg, Ser, Thr, Val or Tyr

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<221> MOD\_RES  
 <222> (12)...(12)  
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (13)...(13)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD\_RES  
 <222> (14)...(14)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (15)...(15)  
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (16)...(16)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (17)...(17)  
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (18)...(18)  
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (19)...(19)  
 <223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (20)...(20)  
 <223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (22)...(22)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (24)...(24)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (25)...(25)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

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<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<400> 285
Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa
 1          5          10          15
Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20          25          30
Xaa Cys

<210> 286
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Gln,
      Arg, Ser, Thr or Val

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<221> MOD\_RES  
 <222> (3)...(3)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (4)...(4)  
 <223> Xaa = Ala, Glu, Phe, Gly, His, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Trp or Tyr

<221> MOD\_RES  
 <222> (5)...(5)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (6)...(6)  
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (8)...(8)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Asn, Pro, Gln, Ser, Thr or Val

<221> MOD\_RES  
 <222> (9)...(9)  
 <223> Xaa = Phe, Gly, His, Leu, Asn, Gln, Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (10)...(10)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (12)...(12)  
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (13)...(13)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD\_RES  
 <222> (14)...(14)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (15)...(15)  
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (16)...(16)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (17)...(17)  
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser,  
 Thr, Val or Tyr

<221> MOD\_RES  
 <222> (18)...(18)  
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln,  
 Arg, Ser or Thr

<221> MOD\_RES  
 <222> (19)...(19)  
 <223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (20)...(20)  
 <223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr,  
 Val or Tyr

<221> MOD\_RES  
 <222> (22)...(22)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,  
 Trp or Tyr

<221> MOD\_RES  
 <222> (24)...(24)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (25)...(25)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,  
 Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (26)...(26)  
 <223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD\_RES  
 <222> (27)...(27)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,  
 Arg, Ser, Thr, Trp or Tyr

<221> MOD\_RES  
 <222> (28)...(28)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (29)...(29)  
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,  
 Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (30)...(30)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,  
 Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

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<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<400> 286
Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa
 1              5              10              15
Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20              25              30
Xaa Xaa Cys
 35

<210> 287
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Glu, Phe, Gly, His, Leu, Asn, Pro,
      Gln, Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Arg, Ser or Thr

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Asn,
      Pro, Gln, Arg, Ser, Thr, Val or Tyr

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<221> MOD\_RES  
 <222> (8)...(8)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Asn, Pro, Gln, Ser, Thr or Val

<221> MOD\_RES  
 <222> (9)...(9)  
 <223> Xaa = Phe, Gly, His, Leu, Asn, Gln, Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (10)...(10)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (12)...(12)  
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (13)...(13)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD\_RES  
 <222> (14)...(14)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (15)...(15)  
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (16)...(16)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (17)...(17)  
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (18)...(18)  
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (19)...(19)  
 <223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (20)...(20)  
 <223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr, Val or Tyr



<221> MOD\_RES  
 <222> (22)...(22)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (24)...(24)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (25)...(25)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (26)...(26)  
 <223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD\_RES  
 <222> (27)...(27)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln, Arg, Ser, Thr, Trp or Tyr

<221> MOD\_RES  
 <222> (28)...(28)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (29)...(29)  
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (30)...(30)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD\_RES  
 <222> (31)...(31)  
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (32)...(32)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD\_RES  
 <222> (33)...(33)  
 <223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Trp

<221> MOD\_RES  
 <222> (34)...(34)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

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<221> MOD_RES
<222> (35)...(35)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<400> 287
Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa
 1          5          10          15
Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20          25          30
Xaa Xaa Xaa Cys
 35

<210> 288
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Tyr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Trp

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Asn, Pro,
      Gln, Ser, Thr or Val

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<221> MOD\_RES  
 <222> (10)...(10)  
 <223> Xaa = Phe, Gly, His, Leu, Asn, Gln, Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (11)...(11)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (13)...(13)  
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (14)...(14)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD\_RES  
 <222> (15)...(15)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (16)...(16)  
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (17)...(17)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (18)...(18)  
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (19)...(19)  
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (20)...(20)  
 <223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (21)...(21)  
 <223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (23)...(23)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

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<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, His, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Glu, Gly, His, Lys, Leu, Asn, Pro,
      Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Phe, His, Ile, Leu, Met, Arg, Thr, Trp or
      Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Asp, Gly or Ser

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Tyr

<400> 288
Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
 1          5          10          15
Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20          25          30
Cys

<210> 289
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

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<221> MOD\_RES  
 <222> (3)...(3)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or  
 Tyr

<221> MOD\_RES  
 <222> (4)...(4)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or  
 Trp

<221> MOD\_RES  
 <222> (5)...(5)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (6)...(6)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD\_RES  
 <222> (7)...(7)  
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,  
 Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (9)...(9)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Asn, Pro,  
 Gln, Ser, Thr or Val

<221> MOD\_RES  
 <222> (10)...(10)  
 <223> Xaa = Phe, Gly, His, Leu, Asn, Gln, Ser, Thr or  
 Tyr

<221> MOD\_RES  
 <222> (11)...(11)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (13)...(13)  
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met,  
 Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (14)...(14)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn,  
 Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD\_RES  
 <222> (15)...(15)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn,  
 Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (16)...(16)  
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg,  
 Ser or Thr

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<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn,
      Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser,
      Thr, Val or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln,
      Arg, Ser or Thr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

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<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<400> 289
Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
 1          5          10          15
Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20          25          30
Xaa Cys

<210> 290
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Tyr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Trp

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

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<221> MOD\_RES  
 <222> (9)...(9)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Asn, Pro,  
 Gln, Ser, Thr or Val

<221> MOD\_RES  
 <222> (10)...(10)  
 <223> Xaa = Phe, Gly, His, Leu, Asn, Gln, Ser, Thr or  
 Tyr

<221> MOD\_RES  
 <222> (11)...(11)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (13)...(13)  
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met,  
 Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (14)...(14)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn,  
 Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD\_RES  
 <222> (15)...(15)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn,  
 Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (16)...(16)  
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg,  
 Ser or Thr

<221> MOD\_RES  
 <222> (17)...(17)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn,  
 Pro, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (18)...(18)  
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser,  
 Thr, Val or Tyr

<221> MOD\_RES  
 <222> (19)...(19)  
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln,  
 Arg, Ser or Thr

<221> MOD\_RES  
 <222> (20)...(20)  
 <223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (21)...(21)  
 <223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr,  
 Val or Tyr



<221> MOD\_RES  
 <222> (23)...(23)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr  
  
 <221> MOD\_RES  
 <222> (25)...(25)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr  
  
 <221> MOD\_RES  
 <222> (26)...(26)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val  
  
 <221> MOD\_RES  
 <222> (27)...(27)  
 <223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser  
  
 <221> MOD\_RES  
 <222> (28)...(28)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln, Arg, Ser, Thr, Trp or Tyr  
  
 <221> MOD\_RES  
 <222> (29)...(29)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr  
  
 <221> MOD\_RES  
 <222> (30)...(30)  
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr  
  
 <221> MOD\_RES  
 <222> (31)...(31)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp  
  
 <221> MOD\_RES  
 <222> (32)...(32)  
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr  
  
 <221> MOD\_RES  
 <222> (33)...(33)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Ser, Thr or Val  
  
 <221> MOD\_RES  
 <222> (34)...(34)  
 <223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Trp

<400> 290  
 Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa  
 1 5 10 15

Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 20 25 30  
 Xaa Xaa Cys  
 35

<210> 291  
 <211> 36  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> EGF domain monomer sequence

<221> MOD\_RES  
 <222> (2)...(2)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Ile, Lys, Leu,  
 Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (3)...(3)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or  
 Tyr

<221> MOD\_RES  
 <222> (4)...(4)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or  
 Trp

<221> MOD\_RES  
 <222> (5)...(5)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (6)...(6)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD\_RES  
 <222> (7)...(7)  
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,  
 Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (9)...(9)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Asn, Pro,  
 Gln, Ser, Thr or Val

<221> MOD\_RES  
 <222> (10)...(10)  
 <223> Xaa = Phe, Gly, His, Leu, Asn, Gln, Ser, Thr or  
 Tyr

<221> MOD\_RES  
 <222> (11)...(11)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (13)...(13)  
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (14)...(14)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD\_RES  
 <222> (15)...(15)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (16)...(16)  
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (17)...(17)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (18)...(18)  
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (19)...(19)  
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (20)...(20)  
 <223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (21)...(21)  
 <223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (23)...(23)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (25)...(25)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (26)...(26)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

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<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<221> MOD_RES
<222> (35)...(35)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<400> 291
Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
 1      5      10      15
Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20      25      30
Xaa Xaa Xaa Cys
      35

<210> 292
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

```

```

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Tyr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Trp

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Asn, Pro,
      Gln, Ser, Thr or Val

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Phe, Gly, His, Leu, Asn, Gln, Ser, Thr or
      Tyr

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (13)...(13)
<223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn,
      Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn,
      Arg, Ser, Thr, Val or Tyr

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<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg,
      Ser or Thr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn,
      Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser,
      Thr, Val or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln,
      Arg, Ser or Thr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

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<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<221> MOD_RES
<222> (35)...(35)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (36)...(36)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<400> 292
Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
 1      5      10      15
Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20      25      30
Xaa Xaa Xaa Xaa Cys
 35

<210> 293
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Arg, Ser, Thr or Tyr

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<221> MOD\_RES  
 <222> (4)...(4)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,  
 Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD\_RES  
 <222> (5)...(5)  
 <223> Xaa = Ala, Glu, Gly, Met, Asn, Pro, Gln, Arg,  
 Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (7)...(7)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (8)...(8)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,  
 Asn, Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (9)...(9)  
 <223> Xaa = Ala, Gly or Thr

<221> MOD\_RES  
 <222> (10)...(10)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,  
 Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (12)...(12)  
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met,  
 Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (13)...(13)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn,  
 Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD\_RES  
 <222> (14)...(14)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn,  
 Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (15)...(15)  
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg,  
 Ser or Thr

<221> MOD\_RES  
 <222> (16)...(16)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn,  
 Pro, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (17)...(17)  
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser,  
 Thr, Val or Tyr



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<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln,
      Arg, Ser or Thr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (22)...(22)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, His, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Glu, Gly, His, Lys, Leu, Asn, Pro,
      Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Phe, His, Ile, Leu, Met, Arg, Thr, Trp or
      Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Asp, Gly or Ser

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Tyr

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      <400> 293
Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
 1      5      10      15
Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys
      20      25      30

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<210> 294
<211> 33
<212> PRT
<213> Artificial Sequence

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<220>
<223> EGF domain monomer sequence

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<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

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<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Arg, Ser, Thr or Tyr

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<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

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<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Glu, Gly, Met, Asn, Pro, Gln, Arg,
      Ser, Thr or Tyr

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```

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

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<221> MOD_RES
<222> (8)...(8)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr or Tyr

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<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Gly or Thr

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<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Val

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<221> MOD_RES
<222> (12)...(12)
<223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val or Tyr

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<221> MOD\_RES  
 <222> (13)...(13)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn,  
 Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD\_RES  
 <222> (14)...(14)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn,  
 Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (15)...(15)  
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg,  
 Ser or Thr

<221> MOD\_RES  
 <222> (16)...(16)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn,  
 Pro, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (17)...(17)  
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser,  
 Thr, Val or Tyr

<221> MOD\_RES  
 <222> (18)...(18)  
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln,  
 Arg, Ser or Thr

<221> MOD\_RES  
 <222> (19)...(19)  
 <223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (20)...(20)  
 <223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr,  
 Val or Tyr

<221> MOD\_RES  
 <222> (22)...(22)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,  
 Trp or Tyr

<221> MOD\_RES  
 <222> (24)...(24)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (25)...(25)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,  
 Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (26)...(26)  
 <223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

```

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<400> 294
Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa
 1          5          10          15
Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20          25          30
Cys

<210> 295
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

```

<221> MOD\_RES  
 <222> (5)...(5)  
 <223> Xaa = Ala, Glu, Gly, Met, Asn, Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (7)...(7)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (8)...(8)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (9)...(9)  
 <223> Xaa = Ala, Gly or Thr

<221> MOD\_RES  
 <222> (10)...(10)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (12)...(12)  
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (13)...(13)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD\_RES  
 <222> (14)...(14)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (15)...(15)  
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (16)...(16)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (17)...(17)  
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (18)...(18)  
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (19)...(19)  
 <223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (20)...(20)  
 <223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (22)...(22)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (24)...(24)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (25)...(25)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (26)...(26)  
 <223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD\_RES  
 <222> (27)...(27)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln, Arg, Ser, Thr, Trp or Tyr

<221> MOD\_RES  
 <222> (28)...(28)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (29)...(29)  
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (30)...(30)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD\_RES  
 <222> (31)...(31)  
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (32)...(32)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD\_RES  
 <222> (33)...(33)  
 <223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,  
 Asn, Pro, Gln, Arg, Ser, Thr or Trp

<400> 295  
 Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa  
 1 5 10 15  
 Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 20 25 30  
 Xaa Cys

<210> 296  
 <211> 35  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> EGF domain monomer sequence

<221> MOD\_RES  
 <222> (2)...(2)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD\_RES  
 <222> (3)...(3)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,  
 Asn, Pro, Arg, Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (4)...(4)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,  
 Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD\_RES  
 <222> (5)...(5)  
 <223> Xaa = Ala, Glu, Gly, Met, Asn, Pro, Gln, Arg,  
 Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (7)...(7)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (8)...(8)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,  
 Asn, Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (9)...(9)  
 <223> Xaa = Ala, Gly or Thr

<221> MOD\_RES  
 <222> (10)...(10)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,  
 Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (12)...(12)  
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (13)...(13)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD\_RES  
 <222> (14)...(14)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (15)...(15)  
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (16)...(16)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (17)...(17)  
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (18)...(18)  
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (19)...(19)  
 <223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (20)...(20)  
 <223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (22)...(22)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (24)...(24)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (25)...(25)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val



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<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<400> 296
Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
 1          5          10          15
Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
20          25          30
Xaa Xaa Cys
 35

<210> 297
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

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<221> MOD\_RES  
 <222> (2)...(2)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD\_RES  
 <222> (3)...(3)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met, Asn, Pro, Arg, Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (4)...(4)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD\_RES  
 <222> (5)...(5)  
 <223> Xaa = Ala, Glu, Gly, Met, Asn, Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (7)...(7)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (8)...(8)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (9)...(9)  
 <223> Xaa = Ala, Gly or Thr

<221> MOD\_RES  
 <222> (10)...(10)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (12)...(12)  
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (13)...(13)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD\_RES  
 <222> (14)...(14)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (15)...(15)  
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (16)...(16)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn,  
 Pro, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (17)...(17)  
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser,  
 Thr, Val or Tyr

<221> MOD\_RES  
 <222> (18)...(18)  
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln,  
 Arg, Ser or Thr

<221> MOD\_RES  
 <222> (19)...(19)  
 <223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (20)...(20)  
 <223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr,  
 Val or Tyr

<221> MOD\_RES  
 <222> (22)...(22)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,  
 Trp or Tyr

<221> MOD\_RES  
 <222> (24)...(24)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (25)...(25)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,  
 Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (26)...(26)  
 <223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD\_RES  
 <222> (27)...(27)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,  
 Arg, Ser, Thr, Trp or Tyr

<221> MOD\_RES  
 <222> (28)...(28)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (29)...(29)  
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,  
 Gln, Arg, Ser, Thr, Val, Trp or Tyr

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<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (35)...(35)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<400> 297
Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa
 1          5          10          15
Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20          25          30
Xaa Xaa Xaa Cys
 35

<210> 298
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

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<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Glu, Gly, Met, Asn, Pro, Gln, Arg,
      Ser, Thr or Tyr

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (8)...(8)
<223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Ala, Phe, Gly, His, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (13)...(13)
<223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn,
      Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn,
      Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg,
      Ser or Thr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn,
      Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser,
      Thr, Val or Tyr

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<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln,
      Arg, Ser or Thr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, His, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Glu, Gly, His, Lys, Leu, Asn, Pro,
      Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Phe, His, Ile, Leu, Met, Arg, Thr, Trp or
      Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Asp, Gly or Ser

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Tyr

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<400> 298  
 Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa  
 1 5 10 15  
 Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 20 25 30  
 Cys

<210> 299  
 <211> 34  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> EGF domain monomer sequence

<221> MOD\_RES  
 <222> (2)...(2)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD\_RES  
 <222> (3)...(3)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,  
 Asn, Pro, Arg, Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (4)...(4)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,  
 Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD\_RES  
 <222> (5)...(5)  
 <223> Xaa = Ala, Glu, Gly, Met, Asn, Pro, Gln, Arg,  
 Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (7)...(7)  
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD\_RES  
 <222> (8)...(8)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,  
 Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (9)...(9)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,  
 Asn, Gln, Arg, Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (10)...(10)  
 <223> Xaa = Ala, Phe, Gly, His, Gln, Ser, Thr or Val

<221> MOD\_RES  
 <222> (11)...(11)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,  
 Met, Asn, Gln, Arg, Ser, Thr or Val

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<221> MOD_RES
<222> (13)...(13)
<223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn,
      Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn,
      Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg,
      Ser or Thr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn,
      Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser,
      Thr, Val or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln,
      Arg, Ser or Thr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

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<221> MOD\_RES  
 <222> (27)...(27)  
 <223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD\_RES  
 <222> (28)...(28)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln, Arg, Ser, Thr, Trp or Tyr

<221> MOD\_RES  
 <222> (29)...(29)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (30)...(30)  
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (31)...(31)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD\_RES  
 <222> (32)...(32)  
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (33)...(33)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Ser, Thr or Val

<400> 299  
 Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa  
 1                      5                      10                      15  
 Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
                     20                      25                      30  
 Xaa Cys

<210> 300  
 <211> 35  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> EGF domain monomer sequence

<221> MOD\_RES  
 <222> (2)...(2)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD\_RES  
 <222> (3)...(3)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met, Asn, Pro, Arg, Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (4)...(4)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,  
 Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD\_RES  
 <222> (5)...(5)  
 <223> Xaa = Ala, Glu, Gly, Met, Asn, Pro, Gln, Arg,  
 Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (7)...(7)  
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD\_RES  
 <222> (8)...(8)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,  
 Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (9)...(9)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,  
 Asn, Gln, Arg, Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (10)...(10)  
 <223> Xaa = Ala, Phe, Gly, His, Gln, Ser, Thr or Val

<221> MOD\_RES  
 <222> (11)...(11)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,  
 Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (13)...(13)  
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met,  
 Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (14)...(14)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn,  
 Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD\_RES  
 <222> (15)...(15)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn,  
 Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (16)...(16)  
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg,  
 Ser or Thr

<221> MOD\_RES  
 <222> (17)...(17)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn,  
 Pro, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (18)...(18)  
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser,  
 Thr, Val or Tyr

<221> MOD\_RES  
 <222> (19)...(19)  
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln,  
 Arg, Ser or Thr

<221> MOD\_RES  
 <222> (20)...(20)  
 <223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (21)...(21)  
 <223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr,  
 Val or Tyr

<221> MOD\_RES  
 <222> (23)...(23)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,  
 Trp or Tyr

<221> MOD\_RES  
 <222> (25)...(25)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (26)...(26)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,  
 Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (27)...(27)  
 <223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD\_RES  
 <222> (28)...(28)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,  
 Arg, Ser, Thr, Trp or Tyr

<221> MOD\_RES  
 <222> (29)...(29)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (30)...(30)  
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,  
 Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (31)...(31)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,  
 Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD\_RES  
 <222> (32)...(32)  
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,  
 Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (33)...(33)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD\_RES  
 <222> (34)...(34)  
 <223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,  
 Asn, Pro, Gln, Arg, Ser, Thr or Trp

<400> 300  
 Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa  
 1 5 10 15  
 Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 20 25 30  
 Xaa Xaa Cys  
 35

<210> 301  
 <211> 36  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> EGF domain monomer sequence

<221> MOD\_RES  
 <222> (2)...(2)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD\_RES  
 <222> (3)...(3)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,  
 Asn, Pro, Arg, Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (4)...(4)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,  
 Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD\_RES  
 <222> (5)...(5)  
 <223> Xaa = Ala, Glu, Gly, Met, Asn, Pro, Gln, Arg,  
 Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (7)...(7)  
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD\_RES  
 <222> (8)...(8)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,  
 Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (9)...(9)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Asn, Gln, Arg, Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (10)...(10)  
 <223> Xaa = Ala, Phe, Gly, His, Gln, Ser, Thr or Val

<221> MOD\_RES  
 <222> (11)...(11)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (13)...(13)  
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (14)...(14)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD\_RES  
 <222> (15)...(15)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (16)...(16)  
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (17)...(17)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (18)...(18)  
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (19)...(19)  
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (20)...(20)  
 <223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (21)...(21)  
 <223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (23)...(23)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (25)...(25)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (26)...(26)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (27)...(27)  
 <223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD\_RES  
 <222> (28)...(28)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln, Arg, Ser, Thr, Trp or Tyr

<221> MOD\_RES  
 <222> (29)...(29)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (30)...(30)  
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (31)...(31)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD\_RES  
 <222> (32)...(32)  
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (33)...(33)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD\_RES  
 <222> (34)...(34)  
 <223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Trp

<221> MOD\_RES  
 <222> (35)...(35)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<400> 301  
 Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa  
 1 5 10 15  
 Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 20 25 30  
 Xaa Xaa Xaa Cys  
 35

<210> 302  
 <211> 37  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> EGF domain monomer sequence

<221> MOD\_RES  
 <222> (2)...(2)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD\_RES  
 <222> (3)...(3)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,  
 Asn, Pro, Arg, Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (4)...(4)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Lys, Leu, Met,  
 Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD\_RES  
 <222> (5)...(5)  
 <223> Xaa = Ala, Glu, Gly, Met, Asn, Pro, Gln, Arg,  
 Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (7)...(7)  
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD\_RES  
 <222> (8)...(8)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,  
 Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (9)...(9)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,  
 Asn, Gln, Arg, Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (10)...(10)  
 <223> Xaa = Ala, Phe, Gly, His, Gln, Ser, Thr or Val

<221> MOD\_RES  
 <222> (11)...(11)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,  
 Met, Asn, Gln, Arg, Ser, Thr or Val

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<221> MOD_RES
<222> (13)...(13)
<223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn,
      Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn,
      Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg,
      Ser or Thr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn,
      Pro, Gln, Arg, Ser or Thr ,

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser,
      Thr, Val or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln,
      Arg, Ser or Thr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

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<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<221> MOD_RES
<222> (35)...(35)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (36)...(36)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<400> 302
Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
 1          5          10          15
Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20          25          30
Xaa Xaa Xaa Xaa Cys
 35

<210> 303
<211> 33
<212> PRT
<213> Artificial Sequence

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<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Glu, Phe, Gly, His, Leu, Asn, Pro,
      Gln, Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Arg, Ser or Thr

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Asn,
      Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (8)...(8)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Ala, Gly or Thr

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (13)...(13)
<223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn,
      Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn,
      Arg, Ser, Thr, Val or Tyr

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<221> MOD\_RES  
 <222> (16)...(16)  
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg,  
 Ser or Thr

<221> MOD\_RES  
 <222> (17)...(17)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn,  
 Pro, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (18)...(18)  
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser,  
 Thr, Val or Tyr

<221> MOD\_RES  
 <222> (19)...(19)  
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln,  
 Arg, Ser or Thr

<221> MOD\_RES  
 <222> (20)...(20)  
 <223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (21)...(21)  
 <223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr,  
 Val or Tyr

<221> MOD\_RES  
 <222> (23)...(23)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,  
 Trp or Tyr

<221> MOD\_RES  
 <222> (25)...(25)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Lys, Leu, Met,  
 Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (26)...(26)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,  
 Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (27)...(27)  
 <223> Xaa = Ala, Glu, Gly, His, Lys, Leu, Asn, Pro,  
 Arg, Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (28)...(28)  
 <223> Xaa = Phe, His, Ile, Leu, Met, Arg, Thr, Trp or  
 Tyr

<221> MOD\_RES  
 <222> (29)...(29)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

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<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Asp, Gly or Ser

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Tyr

<400> 303
Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
 1          5          10          15
Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
      20          25          30
Cys

<210> 304
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Glu, Phe, Gly, His, Leu, Asn, Pro,
      Gln, Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Arg, Ser or Thr

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Asn,
      Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (8)...(8)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

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<221> MOD\_RES  
 <222> (9)...(9)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (10)...(10)  
 <223> Xaa = Ala, Gly or Thr

<221> MOD\_RES  
 <222> (11)...(11)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (13)...(13)  
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (14)...(14)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD\_RES  
 <222> (15)...(15)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (16)...(16)  
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (17)...(17)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (18)...(18)  
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (19)...(19)  
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (20)...(20)  
 <223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (21)...(21)  
 <223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr, Val or Tyr

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<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<400> 304
Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
 1          5          10          15
Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20          25          30
Xaa Cys

<210> 305
<211> 35
<212> PRT
<213> Artificial Sequence

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<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Glu, Phe, Gly, His, Leu, Asn, Pro,
      Gln, Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Arg, Ser or Thr

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Asn,
      Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (8)...(8)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Ala, Gly or Thr

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (13)...(13)
<223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn,
      Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn,
      Arg, Ser, Thr, Val or Tyr

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<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg,
      Ser or Thr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn,
      Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser,
      Thr, Val or Tyr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln,
      Arg, Ser or Thr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

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<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<400> 305
Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
 1          5          10          15
Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20          25          30
Xaa Xaa Cys
 35

<210> 306
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Glu, Phe, Gly, His, Leu, Asn, Pro,
      Gln, Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Arg, Ser or Thr

```

<221> MOD\_RES  
 <222> (6)...(6)  
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Asn,  
 Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (8)...(8)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (9)...(9)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,  
 Asn, Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (10)...(10)  
 <223> Xaa = Ala, Gly or Thr

<221> MOD\_RES  
 <222> (11)...(11)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,  
 Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (13)...(13)  
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met,  
 Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (14)...(14)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn,  
 Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD\_RES  
 <222> (15)...(15)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn,  
 Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (16)...(16)  
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg,  
 Ser or Thr

<221> MOD\_RES  
 <222> (17)...(17)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn,  
 Pro, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (18)...(18)  
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser,  
 Thr, Val or Tyr

<221> MOD\_RES  
 <222> (19)...(19)  
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln,  
 Arg, Ser or Thr

<221> MOD\_RES  
 <222> (20)...(20)  
 <223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (21)...(21)  
 <223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr,  
 Val or Tyr

<221> MOD\_RES  
 <222> (23)...(23)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,  
 Trp or Tyr

<221> MOD\_RES  
 <222> (25)...(25)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (26)...(26)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,  
 Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (27)...(27)  
 <223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD\_RES  
 <222> (28)...(28)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,  
 Arg, Ser, Thr, Trp or Tyr

<221> MOD\_RES  
 <222> (29)...(29)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (30)...(30)  
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,  
 Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (31)...(31)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,  
 Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD\_RES  
 <222> (32)...(32)  
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,  
 Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (33)...(33)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Gln, Ser, Thr or Val

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<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<221> MOD_RES
<222> (35)...(35)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<400> 306
Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
 1          5          10          15
Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20          25          30
Xaa Xaa Xaa Cys
 35

<210> 307
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Glu, Phe, Gly, His, Leu, Asn, Pro,
      Gln, Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Arg, Ser or Thr

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Asn,
      Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (8)...(8)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr or Tyr

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<221> MOD\_RES  
 <222> (10)...(10)  
 <223> Xaa = Ala, Gly or Thr

<221> MOD\_RES  
 <222> (11)...(11)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (13)...(13)  
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (14)...(14)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD\_RES  
 <222> (15)...(15)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (16)...(16)  
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (17)...(17)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (18)...(18)  
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (19)...(19)  
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (20)...(20)  
 <223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (21)...(21)  
 <223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (23)...(23)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

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<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<221> MOD_RES
<222> (35)...(35)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (36)...(36)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

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<400> 307
Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
1      5      10      15
Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa
20      25      30
Xaa Xaa Xaa Xaa Cys
35

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<210> 308
<211> 34
<212> PRT
<213> Artificial Sequence

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<220>
<223> EGF domain monomer sequence

```

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<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

```

```

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Tyr

```

```

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Trp

```

```

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

```

```

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Val or Tyr

```

```

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

```

```

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

```

```

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr or Tyr

```

```

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Ala, Gly or Thr

```

<221> MOD\_RES  
 <222> (12)...(12)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (14)...(14)  
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (15)...(15)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD\_RES  
 <222> (16)...(16)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (17)...(17)  
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (18)...(18)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (19)...(19)  
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (20)...(20)  
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (21)...(21)  
 <223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (22)...(22)  
 <223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (24)...(24)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (26)...(26)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr



```

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Glu, Gly, His, Lys, Leu, Asn, Pro,
      Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Phe, His, Ile, Leu, Met, Arg, Thr, Trp or
      Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Asp, Gly or Ser

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Tyr

<400> 308
Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa
 1      5      10      15
Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa
 20      25      30
Xaa Cys

```

```

<210> 309
<211> 35
<212> PRT
<213> Artificial Sequence

```

```

<220>
<223> EGF domain monomer sequence

```

```

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

```

```

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Tyr

```

```

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Trp

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Ala, Gly or Thr

<221> MOD_RES
<222> (12)...(12)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn,
      Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn,
      Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg,
      Ser or Thr

```

```

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn,
      Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser,
      Thr, Val or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln,
      Arg, Ser or Thr

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD_RES
<222> (22)...(22)
<223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

```

```

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<400> 309
Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa
 1          5          10          15
Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20          25          30
Xaa Xaa Cys
 35

<210> 310
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Tyr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Trp

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Val or Tyr

```

<221> MOD\_RES  
 <222> (7)...(7)  
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (9)...(9)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (10)...(10)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (11)...(11)  
 <223> Xaa = Ala, Gly or Thr

<221> MOD\_RES  
 <222> (12)...(12)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (14)...(14)  
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (15)...(15)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD\_RES  
 <222> (16)...(16)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (17)...(17)  
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (18)...(18)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (19)...(19)  
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (20)...(20)  
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln, Arg, Ser or Thr

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<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD_RES
<222> (22)...(22)
<223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

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```

<221> MOD_RES
<222> (35)...(35)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<400> 310
Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa
 1          5          10          15
Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa
 20          25          30
Xaa Xaa Xaa Cys
 35

<210> 311
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Tyr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Trp

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

```

<221> MOD\_RES  
 <222> (10)...(10)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (11)...(11)  
 <223> Xaa = Ala, Gly or Thr

<221> MOD\_RES  
 <222> (12)...(12)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (14)...(14)  
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (15)...(15)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD\_RES  
 <222> (16)...(16)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (17)...(17)  
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (18)...(18)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (19)...(19)  
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (20)...(20)  
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (21)...(21)  
 <223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (22)...(22)  
 <223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr, Val or Tyr



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<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (35)...(35)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<221> MOD_RES
<222> (36)...(36)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

```

```

<400> 311
Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa
1      5      10      15
Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa
20      25      30
Xaa Xaa Xaa Xaa Cys
35

```

<210> 312

<211> 38

<212> PRT

<213> Artificial Sequence

<220>

<223> EGF domain monomer sequence

<221> MOD\_RES

<222> (2)...(2)

<223> Xaa = Ala, Asp, Glu, Phe, Gly, Ile, Lys, Leu,  
Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES

<222> (3)...(3)

<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or  
Tyr

<221> MOD\_RES

<222> (4)...(4)

<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or  
Trp

<221> MOD\_RES

<222> (5)...(5)

<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES

<222> (6)...(6)

<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
Leu, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD\_RES

<222> (7)...(7)

<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,  
Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES

<222> (9)...(9)

<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES

<222> (10)...(10)

<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,  
Asn, Pro, Gln, Arg, Ser, Thr or Tyr

<221> MOD\_RES

<222> (11)...(11)

<223> Xaa = Ala, Gly or Thr

<221> MOD\_RES  
 <222> (12)...(12)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (14)...(14)  
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (15)...(15)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD\_RES  
 <222> (16)...(16)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (17)...(17)  
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (18)...(18)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (19)...(19)  
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (20)...(20)  
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (21)...(21)  
 <223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (22)...(22)  
 <223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (24)...(24)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (26)...(26)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (27)...(27)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,  
 Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (28)...(28)  
 <223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD\_RES  
 <222> (29)...(29)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,  
 Arg, Ser, Thr, Trp or Tyr

<221> MOD\_RES  
 <222> (30)...(30)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (31)...(31)  
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,  
 Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (32)...(32)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,  
 Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD\_RES  
 <222> (33)...(33)  
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,  
 Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (34)...(34)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD\_RES  
 <222> (35)...(35)  
 <223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,  
 Asn, Pro, Gln, Arg, Ser, Thr or Trp

<221> MOD\_RES  
 <222> (36)...(36)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,  
 Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (37)...(37)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<400> 312  
 Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa  
 1 5 10 15  
 Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa  
 20 25 30  
 Xaa Xaa Xaa Xaa Xaa Cys  
 35

<210> 313  
 <211> 34  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> EGF domain monomer sequence  
  
 <221> MOD\_RES  
 <222> (2)...(2)  
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Gln,  
           Arg, Ser, Thr or Val  
  
 <221> MOD\_RES  
 <222> (3)...(3)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
           Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val  
  
 <221> MOD\_RES  
 <222> (4)...(4)  
 <223> Xaa = Ala, Glu, Phe, Gly, His, Leu, Asn, Pro,  
           Gln, Arg, Ser, Thr, Trp or Tyr  
  
 <221> MOD\_RES  
 <222> (5)...(5)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
           Leu, Asn, Pro, Arg, Ser or Thr  
  
 <221> MOD\_RES  
 <222> (6)...(6)  
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Asn,  
           Pro, Gln, Arg, Ser, Thr, Val or Tyr  
  
 <221> MOD\_RES  
 <222> (8)...(8)  
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Lys,  
           Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr  
  
 <221> MOD\_RES  
 <222> (9)...(9)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,  
           Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr  
  
 <221> MOD\_RES  
 <222> (10)...(10)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,  
           Asn, Gln, Arg, Ser, Thr or Tyr  
  
 <221> MOD\_RES  
 <222> (11)...(11)  
 <223> Xaa = Ala, Phe, Gly, His, Gln, Ser, Thr or Val  
  
 <221> MOD\_RES  
 <222> (12)...(12)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,  
           Met, Asn, Gln, Arg, Ser, Thr or Val  
  
 <221> MOD\_RES  
 <222> (14)...(14)  
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met,  
           Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (15)...(15)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn,  
 Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD\_RES  
 <222> (16)...(16)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn,  
 Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (17)...(17)  
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg,  
 Ser or Thr

<221> MOD\_RES  
 <222> (18)...(18)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn,  
 Pro, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (19)...(19)  
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser,  
 Thr, Val or Tyr

<221> MOD\_RES  
 <222> (20)...(20)  
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln,  
 Arg, Ser or Thr

<221> MOD\_RES  
 <222> (21)...(21)  
 <223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (22)...(22)  
 <223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr,  
 Val or Tyr

<221> MOD\_RES  
 <222> (24)...(24)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,  
 Trp or Tyr

<221> MOD\_RES  
 <222> (26)...(26)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Lys, Leu, Met,  
 Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (27)...(27)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,  
 Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (28)...(28)  
 <223> Xaa = Ala, Glu, Gly, His, Lys, Leu, Asn, Pro,  
 Arg, Ser, Thr or Tyr

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<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Phe, His, Ile, Leu, Met, Arg, Thr, Trp or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Asp, Gly or Ser

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Tyr

<400> 313
Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa
 1              5              10              15
Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa
 20              25              30
Xaa Cys

<210> 314
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Glu, Phe, Gly, His, Leu, Asn, Pro,
      Gln, Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Arg, Ser or Thr

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<221> MOD\_RES  
 <222> (6)...(6)  
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Asn,  
 Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (8)...(8)  
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD\_RES  
 <222> (9)...(9)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,  
 Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (10)...(10)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,  
 Asn, Gln, Arg, Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (11)...(11)  
 <223> Xaa = Ala, Phe, Gly, His, Gln, Ser, Thr or Val

<221> MOD\_RES  
 <222> (12)...(12)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,  
 Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (14)...(14)  
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met,  
 Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (15)...(15)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn,  
 Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD\_RES  
 <222> (16)...(16)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn,  
 Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (17)...(17)  
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg,  
 Ser or Thr

<221> MOD\_RES  
 <222> (18)...(18)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn,  
 Pro, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (19)...(19)  
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser,  
 Thr, Val or Tyr



<221> MOD\_RES  
 <222> (20)...(20)  
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln,  
 Arg, Ser or Thr

<221> MOD\_RES  
 <222> (21)...(21)  
 <223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (22)...(22)  
 <223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr,  
 Val or Tyr

<221> MOD\_RES  
 <222> (24)...(24)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,  
 Trp or Tyr

<221> MOD\_RES  
 <222> (26)...(26)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (27)...(27)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,  
 Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (28)...(28)  
 <223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD\_RES  
 <222> (29)...(29)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,  
 Arg, Ser, Thr, Trp or Tyr

<221> MOD\_RES  
 <222> (30)...(30)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (31)...(31)  
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,  
 Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (32)...(32)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,  
 Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD\_RES  
 <222> (33)...(33)  
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,  
 Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (34)...(34)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Gln, Ser, Thr or Val  
  
 <400> 314  
 Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa  
 1 5 10 15  
 Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa  
 20 25 30  
 Xaa Xaa Cys  
 35  
  
 <210> 315  
 <211> 36  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> EGF domain monomer sequence  
  
 <221> MOD\_RES  
 <222> (2)...(2)  
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Gln,  
 Arg, Ser, Thr or Val  
  
 <221> MOD\_RES  
 <222> (3)...(3)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val  
  
 <221> MOD\_RES  
 <222> (4)...(4)  
 <223> Xaa = Ala, Glu, Phe, Gly, His, Leu, Asn, Pro,  
 Gln, Arg, Ser, Thr, Trp or Tyr  
  
 <221> MOD\_RES  
 <222> (5)...(5)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Asn, Pro, Arg, Ser or Thr  
  
 <221> MOD\_RES  
 <222> (6)...(6)  
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Asn,  
 Pro, Gln, Arg, Ser, Thr, Val or Tyr  
  
 <221> MOD\_RES  
 <222> (8)...(8)  
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr  
  
 <221> MOD\_RES  
 <222> (9)...(9)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,  
 Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr  
  
 <221> MOD\_RES  
 <222> (10)...(10)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,  
 Asn, Gln, Arg, Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (11)...(11)  
 <223> Xaa = Ala, Phe, Gly, His, Gln, Ser, Thr or Val

<221> MOD\_RES  
 <222> (12)...(12)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (14)...(14)  
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (15)...(15)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD\_RES  
 <222> (16)...(16)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (17)...(17)  
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (18)...(18)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (19)...(19)  
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (20)...(20)  
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (21)...(21)  
 <223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (22)...(22)  
 <223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (24)...(24)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

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<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (35)...(35)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<400> 315
Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa
 1          5          10          15
Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20          25          30
Xaa Xaa Xaa Cys
 35

<210> 316
<211> 37
<212> PRT
<213> Artificial Sequence

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<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Glu, Phe, Gly, His, Leu, Asn, Pro,
      Gln, Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Arg, Ser or Thr

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Asn,
      Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (8)...(8)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Ala, Phe, Gly, His, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (12)...(12)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn,
      Pro, Gln, Arg, Ser, Val or Tyr

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<221> MOD\_RES  
 <222> (16)...(16)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn,  
 Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (17)...(17)  
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg,  
 Ser or Thr

<221> MOD\_RES  
 <222> (18)...(18)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn,  
 Pro, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (19)...(19)  
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser,  
 Thr, Val or Tyr

<221> MOD\_RES  
 <222> (20)...(20)  
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln,  
 Arg, Ser or Thr

<221> MOD\_RES  
 <222> (21)...(21)  
 <223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (22)...(22)  
 <223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr,  
 Val or Tyr

<221> MOD\_RES  
 <222> (24)...(24)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,  
 Trp or Tyr

<221> MOD\_RES  
 <222> (26)...(26)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (27)...(27)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,  
 Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (28)...(28)  
 <223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD\_RES  
 <222> (29)...(29)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,  
 Arg, Ser, Thr, Trp or Tyr

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<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (35)...(35)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<221> MOD_RES
<222> (36)...(36)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<400> 316
Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa
 1      5      10      15
Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa
 20      25      30
Xaa Xaa Xaa Xaa Cys
 35

<210> 317
<211> 38
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Gln,
      Arg, Ser, Thr or Val

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

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<221> MOD\_RES  
 <222> (4)...(4)  
 <223> Xaa = Ala, Glu, Phe, Gly, His, Leu, Asn, Pro,  
 Gln, Arg, Ser, Thr, Trp or Tyr

<221> MOD\_RES  
 <222> (5)...(5)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Asn, Pro, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (6)...(6)  
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Asn,  
 Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (8)...(8)  
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD\_RES  
 <222> (9)...(9)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,  
 Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (10)...(10)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,  
 Asn, Gln, Arg, Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (11)...(11)  
 <223> Xaa = Ala, Phe, Gly, His, Gln, Ser, Thr or Val

<221> MOD\_RES  
 <222> (12)...(12)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,  
 Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (14)...(14)  
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met,  
 Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (15)...(15)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn,  
 Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD\_RES  
 <222> (16)...(16)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn,  
 Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (17)...(17)  
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg,  
 Ser or Thr



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<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn,
      Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser,
      Thr, Val or Tyr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln,
      Arg, Ser or Thr

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD_RES
<222> (22)...(22)
<223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (26)...(26)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

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<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (35)...(35)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<221> MOD_RES
<222> (36)...(36)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (37)...(37)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<400> 317
Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa
 1          5          10          15
Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20          25          30
Xaa Xaa Xaa Xaa Xaa Cys
 35

<210> 318
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Tyr

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<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Trp

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (9)...(9)
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (10)...(10)
<223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (11)...(11)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Asn, Gln, Arg, Ser, Thr or Tyr

<221> MOD_RES
<222> (12)...(12)
<223> Xaa = Ala, Phe, Gly, His, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (13)...(13)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn,
      Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn,
      Arg, Ser, Thr, Val or Tyr

```

<221> MOD\_RES  
 <222> (18)...(18)  
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg,  
 Ser or Thr

<221> MOD\_RES  
 <222> (19)...(19)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn,  
 Pro, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (20)...(20)  
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser,  
 Thr, Val or Tyr

<221> MOD\_RES  
 <222> (21)...(21)  
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln,  
 Arg, Ser or Thr

<221> MOD\_RES  
 <222> (22)...(22)  
 <223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (23)...(23)  
 <223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr,  
 Val or Tyr

<221> MOD\_RES  
 <222> (25)...(25)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,  
 Trp or Tyr

<221> MOD\_RES  
 <222> (27)...(27)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Lys, Leu, Met,  
 Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (28)...(28)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,  
 Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (29)...(29)  
 <223> Xaa = Ala, Glu, Gly, His, Lys, Leu, Asn, Pro,  
 Arg, Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (30)...(30)  
 <223> Xaa = Phe, His, Ile, Leu, Met, Arg, Thr, Trp or  
 Tyr

<221> MOD\_RES  
 <222> (31)...(31)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

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<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Asp, Gly or Ser

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Tyr

<400> 318
Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa
 1          5          10          15
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa
 20          25          30
Xaa Xaa Cys
 35

<210> 319
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> EGF domain monomer sequence

<221> MOD_RES
<222> (2)...(2)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (3)...(3)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Tyr

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or
      Trp

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

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<221> MOD\_RES  
 <222> (9)...(9)  
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD\_RES  
 <222> (10)...(10)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (11)...(11)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Asn, Gln, Arg, Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (12)...(12)  
 <223> Xaa = Ala, Phe, Gly, His, Gln, Ser, Thr or Val

<221> MOD\_RES  
 <222> (13)...(13)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (15)...(15)  
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (16)...(16)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD\_RES  
 <222> (17)...(17)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (18)...(18)  
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (19)...(19)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (20)...(20)  
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (21)...(21)  
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (22)...(22)  
 <223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (23)...(23)  
 <223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (25)...(25)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (27)...(27)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (28)...(28)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (29)...(29)  
 <223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD\_RES  
 <222> (30)...(30)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln, Arg, Ser, Thr, Trp or Tyr

<221> MOD\_RES  
 <222> (31)...(31)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (32)...(32)  
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (33)...(33)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD\_RES  
 <222> (34)...(34)  
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (35)...(35)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Ser, Thr or Val

<400> 319  
 Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa  
 1 5 10 15  
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa  
 20 25 30  
 Xaa Xaa Xaa Cys  
 35

<210> 320

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> EGF domain monomer sequence

<221> MOD\_RES

<222> (2)...(2)

<223> Xaa = Ala, Asp, Glu, Phe, Gly, Ile, Lys, Leu,  
 Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES

<222> (3)...(3)

<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or  
 Tyr

<221> MOD\_RES

<222> (4)...(4)

<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or  
 Trp

<221> MOD\_RES

<222> (5)...(5)

<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES

<222> (6)...(6)

<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
 Leu, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD\_RES

<222> (7)...(7)

<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,  
 Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES

<222> (9)...(9)

<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Lys,  
 Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD\_RES

<222> (10)...(10)

<223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,  
 Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr



<221> MOD\_RES  
 <222> (11)...(11)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Asn, Gln, Arg, Ser, Thr or Tyr

<221> MOD\_RES  
 <222> (12)...(12)  
 <223> Xaa = Ala, Phe, Gly, His, Gln, Ser, Thr or Val

<221> MOD\_RES  
 <222> (13)...(13)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (15)...(15)  
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (16)...(16)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD\_RES  
 <222> (17)...(17)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (18)...(18)  
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (19)...(19)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (20)...(20)  
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (21)...(21)  
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (22)...(22)  
 <223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (23)...(23)  
 <223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr, Val or Tyr

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<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (28)...(28)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser

<221> MOD_RES
<222> (30)...(30)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln,
      Arg, Ser, Thr, Trp or Tyr

<221> MOD_RES
<222> (31)...(31)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (32)...(32)
<223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro,
      Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,
      Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (35)...(35)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (36)...(36)
<223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met,
      Asn, Pro, Gln, Arg, Ser, Thr or Trp

<400> 320
Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa
1          5          10          15

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Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa  
20 25 30  
Xaa Xaa Xaa Xaa Cys  
35

<210> 321  
<211> 38  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> EGF domain monomer sequence

<221> MOD\_RES  
<222> (2)...(2)  
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Ile, Lys, Leu,  
Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
<222> (3)...(3)  
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or  
Tyr

<221> MOD\_RES  
<222> (4)...(4)  
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or  
Trp

<221> MOD\_RES  
<222> (5)...(5)  
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
<222> (6)...(6)  
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
Leu, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD\_RES  
<222> (7)...(7)  
<223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,  
Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
<222> (9)...(9)  
<223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Lys,  
Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD\_RES  
<222> (10)...(10)  
<223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,  
Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
<222> (11)...(11)  
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,  
Asn, Gln, Arg, Ser, Thr or Tyr

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<221> MOD_RES
<222> (12)...(12)
<223> Xaa = Ala, Phe, Gly, His, Gln, Ser, Thr or Val

<221> MOD_RES
<222> (13)...(13)
<223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu,
      Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (15)...(15)
<223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met,
      Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (16)...(16)
<223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn,
      Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD_RES
<222> (17)...(17)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn,
      Arg, Ser, Thr, Val or Tyr

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg,
      Ser or Thr

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn,
      Pro, Gln, Arg, Ser or Thr

<221> MOD_RES
<222> (20)...(20)
<223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser,
      Thr, Val or Tyr

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln,
      Arg, Ser or Thr

<221> MOD_RES
<222> (22)...(22)
<223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD_RES
<222> (23)...(23)
<223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr,
      Val or Tyr

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,
      Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val,
      Trp or Tyr

```

<221> MOD\_RES  
 <222> (27)...(27)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr  
  
 <221> MOD\_RES  
 <222> (28)...(28)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val  
  
 <221> MOD\_RES  
 <222> (29)...(29)  
 <223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser  
  
 <221> MOD\_RES  
 <222> (30)...(30)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln, Arg, Ser, Thr, Trp or Tyr  
  
 <221> MOD\_RES  
 <222> (31)...(31)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr  
  
 <221> MOD\_RES  
 <222> (32)...(32)  
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr  
  
 <221> MOD\_RES  
 <222> (33)...(33)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp  
  
 <221> MOD\_RES  
 <222> (34)...(34)  
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr  
  
 <221> MOD\_RES  
 <222> (35)...(35)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Ser, Thr or Val  
  
 <221> MOD\_RES  
 <222> (36)...(36)  
 <223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Trp  
  
 <221> MOD\_RES  
 <222> (37)...(37)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<400> 321  
 Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa  
 1 5 10 15  
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa  
 20 25 30  
 Xaa Xaa Xaa Xaa Xaa Cys  
 35

<210> 322  
 <211> 39  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> EGF domain monomer sequence  
  
 <221> MOD\_RES  
 <222> (2)...(2)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Ile, Lys, Leu,  
           Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr  
  
 <221> MOD\_RES  
 <222> (3)...(3)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
           Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or  
           Tyr  
  
 <221> MOD\_RES  
 <222> (4)...(4)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
           Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or  
           Trp  
  
 <221> MOD\_RES  
 <222> (5)...(5)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
           Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val  
  
 <221> MOD\_RES  
 <222> (6)...(6)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys,  
           Leu, Asn, Pro, Gln, Arg, Ser, Val or Tyr  
  
 <221> MOD\_RES  
 <222> (7)...(7)  
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met,  
           Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr  
  
 <221> MOD\_RES  
 <222> (9)...(9)  
 <223> Xaa = Ala, Cys, Asp, Glu, Phe, Gly, His, Lys,  
           Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr  
  
 <221> MOD\_RES  
 <222> (10)...(10)  
 <223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,  
           Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr  
  
 <221> MOD\_RES  
 <222> (11)...(11)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu,  
           Asn, Gln, Arg, Ser, Thr or Tyr  
  
 <221> MOD\_RES  
 <222> (12)...(12)  
 <223> Xaa = Ala, Phe, Gly, His, Gln, Ser, Thr or Val

<221> MOD\_RES  
 <222> (13)...(13)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr or Val

<221> MOD\_RES  
 <222> (15)...(15)  
 <223> Xaa = Ala, Asp, Phe, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (16)...(16)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Asn, Pro, Gln, Arg, Ser, Val or Tyr

<221> MOD\_RES  
 <222> (17)...(17)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (18)...(18)  
 <223> Xaa = Ala, Asp, Glu, Gly, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (19)...(19)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, Lys, Leu, Asn, Pro, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (20)...(20)  
 <223> Xaa = Ala, Asp, Glu, Gly, Met, Asn, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (21)...(21)  
 <223> Xaa = Ala, Asp, Glu, Gly, Lys, Leu, Met, Gln, Arg, Ser or Thr

<221> MOD\_RES  
 <222> (22)...(22)  
 <223> Xaa = Phe, His, Ile, Pro, Arg, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (23)...(23)  
 <223> Xaa = Ala, Glu, His, Lys, Leu, Gln, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (25)...(25)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr

<221> MOD\_RES  
 <222> (27)...(27)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr

<221> MOD\_RES  
 <222> (28)...(28)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Val  
  
 <221> MOD\_RES  
 <222> (29)...(29)  
 <223> Xaa = Asp, Glu, Gly, Asn, Pro or Ser  
  
 <221> MOD\_RES  
 <222> (30)...(30)  
 <223> Xaa = Ala, Asp, Glu, Phe, His, Leu, Met, Gln, Arg, Ser, Thr, Trp or Tyr  
  
 <221> MOD\_RES  
 <222> (31)...(31)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr  
  
 <221> MOD\_RES  
 <222> (32)...(32)  
 <223> Xaa = Ala, Phe, Gly, Ile, Lys, Leu, Met, Pro, Gln, Arg, Ser, Thr, Val, Trp or Tyr  
  
 <221> MOD\_RES  
 <222> (33)...(33)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Trp  
  
 <221> MOD\_RES  
 <222> (34)...(34)  
 <223> Xaa = Ala, Asp, Glu, Gly, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr  
  
 <221> MOD\_RES  
 <222> (35)...(35)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Gln, Ser, Thr or Val  
  
 <221> MOD\_RES  
 <222> (36)...(36)  
 <223> Xaa = Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr or Trp  
  
 <221> MOD\_RES  
 <222> (37)...(37)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser, Thr, Val or Tyr  
  
 <221> MOD\_RES  
 <222> (38)...(38)  
 <223> Xaa = Ala, Asp, Glu, Phe, Gly, His, Ile, Lys, Met, Asn, Gln, Arg, Ser, Thr, Val or Tyr

<400> 322  
 Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa  
 1 5 10 15  
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa  
 20 25 30  
 Xaa Xaa Xaa Xaa Xaa Xaa Cys  
 35



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<210> 323
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> affinity peptide

<400> 323
Ser Lys Val Ile Leu Phe
1          5

<210> 324
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> LDL-receptor A domain consensus

<221> MOD_RES
<222> (1)...(35)
<223> Xaa = any amino acid

<221> DISULFID
<222> (1)...(13)

<221> DISULFID
<222> (8)...(26)

<221> DISULFID
<222> (20)...(35)

<400> 324
Cys Xaa Xaa Xaa Xaa Phe Xaa Cys Xaa Xaa Gly Xaa Cys Ile Xaa Xaa
1          5          10          15
Xaa Xaa Xaa Cys Asp Gly Xaa Xaa Asp Cys Xaa Asp Xaa Ser Asp Glu
20          25          30
Xaa Xaa Cys
35

<210> 325
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> conserved amino acids in an A-domain

<221> MOD_RES
<222> (2)...(5)
<223> Xaa = any amino acid

<221> MOD_RES
<222> (6)...(6)
<223> Xaa = hydrophobic amino acid

<221> MOD_RES
<222> (7)...(7)
<223> Xaa = any amino acid

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<221> MOD_RES
<222> (9)...(12)
<223> Xaa = any amino acid

<221> MOD_RES
<222> (14)...(14)
<223> Xaa = hydrophobic amino acid

<221> MOD_RES
<222> (15)...(17)
<223> Xaa = any amino acid

<221> MOD_RES
<222> (18)...(18)
<223> Xaa = hydrophobic amino acid

<221> MOD_RES
<222> (19)...(19)
<223> Xaa = any amino acid

<221> MOD_RES
<222> (21)...(21)
<223> Xaa = negatively charged amino acid

<221> MOD_RES
<222> (22)...(24)
<223> Xaa = any amino acid

<221> MOD_RES
<222> (25)...(25)
<223> Xaa = negatively charged amino acid

<221> MOD_RES
<222> (27)...(30)
<223> Xaa = any amino acid

<221> MOD_RES
<222> (31)...(32)
<223> Xaa = negatively charged amino acid

<221> MOD_RES
<222> (33)...(34)
<223> Xaa = any amino acid

<221> DISULFID
<222> (1)...(13)

<221> DISULFID
<222> (8)...(26)

<221> DISULFID
<222> (20)...(35)

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<400> 325
Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa
 1      5      10      15
Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa
 20      25      30
Xaa Xaa Cys
      35

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<210> 326  
 <211> 41  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> A domain  
  
 <221> MOD\_RES  
 <222> (2)...(2)  
 <223> Xaa = Val, Leu, Gly, Pro, Ala, Glu, Gln or Arg  
  
 <221> MOD\_RES  
 <222> (3)...(3)  
 <223> Xaa = Ala, Pro or Ser  
  
 <221> MOD\_RES  
 <222> (4)...(4)  
 <223> Xaa = Asp, Asn, Gly or Ser  
  
 <221> MOD\_RES  
 <222> (7)...(7)  
 <223> Xaa = Thr, Pro, Arg, Lys or Gln  
  
 <221> MOD\_RES  
 <222> (9)...(9)  
 <223> Xaa = Gly, Ser, Asp, Glu, Asn, Lys or Arg  
  
 <221> MOD\_RES  
 <222> (10)...(10)  
 <223> Xaa = Asn or Ser  
  
 <221> MOD\_RES  
 <222> (12)...(12)  
 <223> Xaa = His, Gln or Arg.  
  
 <221> MOD\_RES  
 <222> (15)...(15)  
 <223> Xaa = Pro or Ser  
  
 <221> MOD\_RES  
 <222> (16)...(16)  
 <223> Xaa = Val, Leu, Gly, Pro, Ala, Glu, Gln or Arg  
  
 <221> MOD\_RES  
 <222> (17)...(17)  
 <223> Xaa = Ala, Ser, Glu, Asn, His or Arg  
  
 <221> MOD\_RES  
 <222> (18)...(18)  
 <223> Xaa = Leu or Trp  
  
 <221> MOD\_RES  
 <222> (19)...(19)  
 <223> Xaa = Leu, Val, Gly or Arg  
  
 <221> MOD\_RES  
 <222> (23)...(23)  
 <223> Xaa = Val, Asp or Glu

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<221> MOD_RES
<222> (24)...(24)
<223> Xaa = Pro, Asn or Asp

<221> MOD_RES
<222> (27)...(27)
<223> Xaa = Ala, Pro, Gly, Glu, Gln or Arg

<221> MOD_RES
<222> (29)...(29)
<223> Xaa = Asn or Gly

<221> MOD_RES
<222> (33)...(33)
<223> Xaa = Leu, Val, Met, Glu, Gln or Lys

<221> MOD_RES
<222> (34)...(34)
<223> Xaa = Gly, Ser, Asn or Asp

<221> MOD_RES
<222> (36)...(36)
<223> Xaa = Ala, Pro, Thr, Gln, Glu or Lys

<221> MOD_RES
<222> (37)...(38)
<223> Xaa = Ala, Asp, Glu, Gly, His, Ile, Lys, Leu,
        Asn, Pro, Gln, Arg, Ser, Thr or Val

<221> MOD_RES
<222> (39)...(39)
<223> Xaa = Ser, Gly or Arg

<221> MOD_RES
<222> (40)...(40)
<223> Xaa = His, Pro or Arg

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```

<400> 326
Cys Xaa Xaa Xaa Glx Phe Xaa Cys Xaa Xaa Gly Xaa Cys Ile Xaa Xaa
 1          5          10          15
Xaa Xaa Xaa Cys Asp Gly Xaa Xaa Asp Cys Xaa Asp Xaa Ser Asp Glu
          20          25          30
Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Thr
          35          40

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```

<210> 327
<211> 35
<212> PRT
<213> Artificial Sequence

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<220>
<223> A domain

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<221> MOD_RES
<222> (1)...(35)
<223> Xaa = any amino acid

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```

<400> 327
Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa
 1          5          10          15

```

Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa  
 20 25 30  
 Xaa Xaa Cys  
 35

<210> 328  
 <211> 35  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> DA4/1 selected clone 1

<400> 328  
 Cys Arg Ala Asp Gln Phe Lys Cys Glu Asn Gly Gln Cys Ile Pro Ala  
 1 5 10 15  
 Arg Leu Arg Cys Asp Gly Asp Pro Asp Cys Pro Asp Asn Ser Asp Glu  
 20 25 30  
 Leu Asn Cys  
 35

<210> 329  
 <211> 35  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> DH3/2 selected clone 2

<400> 329  
 Cys Leu Ala Asp Gln Phe Thr Cys Lys Asn Gly His Cys Ile Pro Arg  
 1 5 10 15  
 Ala Trp Leu Cys Asp Gly Val Gly Asp Cys Pro Asp Asp Ser Asp Glu  
 20 25 30  
 Val Gly Cys  
 35

<210> 330  
 <211> 27  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> A domain typical consensus sequence  
 representing portion beginning at third Cys

<221> MOD\_RES  
 <222> (2)...(2)  
 <223> Xaa = Val, Ile, Leu, Met or Ala

<221> MOD\_RES  
 <222> (3)...(7)  
 <223> Xaa = any amino acid

<221> MOD\_RES  
 <222> (9)...(9)  
 <223> Xaa = Asp, Asn or His

<221> MOD\_RES  
 <222> (10)...(12)  
 <223> Xaa = any amino acid

<221> MOD\_RES  
 <222> (13)...(13)  
 <223> Xaa = Asp, Glu, Asn, Gln, His or Thr  
  
 <221> MOD\_RES  
 <222> (15)...(18)  
 <223> Xaa = any amino acid, Xaa at position 18 may be present or absent  
  
 <221> MOD\_RES  
 <222> (19)...(19)  
 <223> Xaa = Ser, Thr, Ala, Asp or Glu  
  
 <221> MOD\_RES  
 <222> (20)...(20)  
 <223> Xaa = Asp, Glu or His  
  
 <221> MOD\_RES  
 <222> (21)...(21)  
 <223> Xaa = Asp or Glu  
  
 <221> MOD\_RES  
 <222> (22)...(26)  
 <223> Xaa = any amino acid, Xaa at positions 23-26 may be present or absent

<400> 330  
 Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa  
 1 5 10 15  
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys  
 20 25

<210> 331  
 <211> 64  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> A domain second consensus sequence spanning all six Cys residues

<221> MOD\_RES  
 <222> (2)...(16)  
 <223> Xaa = any amino acid, Xaa at positions 4-16 may be present or absent

<221> MOD\_RES  
 <222> (18)...(32)  
 <223> Xaa = any amino acid, Xaa at positions 22-32 may be present or absent

<221> MOD\_RES  
 <222> (34)...(40)  
 <223> Xaa = any amino acid, Xaa at position 40 may be present or absent

<221> MOD\_RES  
 <222> (43)...(45)  
 <223> Xaa = any amino acid, Xaa at position 18 may be present or absent

<221> MOD\_RES  
 <222> (46)...(46)  
 <223> Xaa = Asp, Glu, Asn, Gln, His, Ser or Thr

<221> MOD\_RES  
 <222> (48)...(53)  
 <223> Xaa = any amino acid, Xaa at positions 52 and 53 may be present or absent

<221> MOD\_RES  
 <222> (56)...(63)  
 <223> Xaa = any amino acid, Xaa at positions 58-63 may be present or absent

<400> 331  
 Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 1 5 10 15  
 Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 20 25 30  
 Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Asx Xaa Xaa Xaa Xaa Cys Xaa  
 35 40 45  
 Xaa Xaa Xaa Xaa Xaa Asp Glu Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys  
 50 55 60

<210> 332  
 <211> 123  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> exemplary C2 domain

<400> 332  
 Tyr Ser His Lys Phe Thr Val Val Val Leu Arg Ala Thr Lys Val Thr  
 1 5 10 15  
 Lys Gly Ala Phe Gly Asp Met Leu Asp Thr Pro Asp Pro Tyr Val Glu  
 20 25 30  
 Leu Phe Ile Ser Thr Thr Pro Asp Ser Arg Lys Arg Thr Arg His Phe  
 35 40 45  
 Asn Asn Asp Ile Asn Pro Val Trp Asn Glu Thr Phe Glu Phe Ile Leu  
 50 55 60  
 Asp Pro Asn Gln Glu Asn Val Leu Glu Ile Thr Leu Met Asp Ala Asn  
 65 70 75 80  
 Tyr Val Met Asp Glu Thr Leu Gly Thr Ala Thr Phe Thr Val Ser Ser  
 85 90 95  
 Met Lys Val Gly Glu Lys Lys Glu Val Pro Phe Ile Phe Asn Gln Val  
 100 105 110  
 Thr Glu Met Val Leu Glu Met Ser Leu Glu Val  
 115 120

<210> 333  
 <211> 5  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> peptide linker repeat

<400> 333  
 Gly Gly Gly Gly Ser  
 1 5

<210> 334  
 <211> 15  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> 15mer peptide linker  
  
 <400> 334  
 Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser  
 1 5 10 15  
  
 <210> 335  
 <211> 5  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> simple linker repeated an unspecified number of  
 times  
  
 <400> 335  
 Gly Gly Gly Gly Ser  
 1 5  
  
 <210> 336  
 <211> 25  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> flexible peptide linker, 1-25 Gly residues  
  
 <221> MOD\_RES  
 <222> (2)...(25)  
 <223> Gly at positions 2-25 may be present or absent  
  
 <400> 336  
 Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly  
 1 5 10 15  
 Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly  
 20 25  
  
 <210> 337  
 <211> 20  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> flexible peptide linker, 5-20 Gly residues  
  
 <221> MOD\_RES  
 <222> (6)...(20)  
 <223> Gly at positions 6-20 may be present or absent  
  
 <400> 337  
 Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly  
 1 5 10 15  
 Gly Gly Gly Gly  
 20



<210> 338  
 <211> 15  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> flexible peptide linker, 5-15 Gly residues  
  
 <221> MOD\_RES  
 <222> (6)...(15)  
 <223> Gly at positions 6-15 may be present or absent  
  
 <400> 338  
 Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly  
 1 5 10 15  
  
 <210> 339  
 <211> 12  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> flexible peptide linker, 8-12 Gly residues  
  
 <221> MOD\_RES  
 <222> (9)...(12)  
 <223> Gly at positions 9-12 may be present or absent  
  
 <400> 339  
 Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly  
 1 5 10  
  
 <210> 340  
 <211> 17  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> specific peptide linker  
  
 <221> MOD\_RES  
 <222> (2)...(5)  
 <223> Gly at positions 2-5 may be present or absent  
  
 <221> MOD\_RES  
 <222> (6)...(6)  
 <223> Xaa = Ala, Val, Leu, Ile, Met, Phe, Trp, Pro,  
 Gly, Ser, Thr, Cys, Tyr, Asn, Gln, Lys, Arg,  
 His, Asp or Glu  
  
 <221> MOD\_RES  
 <222> (8)...(11)  
 <223> Gly at positions 8-11 may be present or absent  
  
 <221> MOD\_RES  
 <222> (12)...(12)  
 <223> Xaa = Ala, Val, Leu, Ile, Met, Phe, Trp, Pro,  
 Gly, Ser, Thr, Cys, Tyr, Asn, Gln, Lys, Arg,  
 His, Asp or Glu

<221> MOD\_RES  
 <222> (14)...(17)  
 <223> Gly at positions 8-11 may be present or absent  
  
 <400> 340  
 Gly Gly Gly Gly Gly Xaa Gly Gly Gly Gly Gly Xaa Gly Gly Gly Gly  
 1 5 10 15  
 Gly  
  
 <210> 341  
 <211> 17  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> specific peptide linker  
  
 <221> MOD\_RES  
 <222> (2)...(5)  
 <223> Gly at positions 2-5 may be present or absent  
  
 <221> MOD\_RES  
 <222> (6)...(6)  
 <223> Xaa = Ser, Ala or Thr  
  
 <221> MOD\_RES  
 <222> (8)...(11)  
 <223> Gly at positions 8-11 may be present or absent  
  
 <221> MOD\_RES  
 <222> (12)...(12)  
 <223> Xaa = Ser, Ala or Thr  
  
 <221> MOD\_RES  
 <222> (14)...(17)  
 <223> Gly at positions 8-11 may be present or absent  
  
 <400> 341  
 Gly Gly Gly Gly Gly Xaa Gly Gly Gly Gly Gly Xaa Gly Gly Gly Gly  
 1 5 10 15  
 Gly  
  
 <210> 342  
 <211> 17  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> specific peptide linker  
  
 <221> MOD\_RES  
 <222> (2)...(5)  
 <223> Gly at positions 2-5 may be present or absent  
  
 <221> MOD\_RES  
 <222> (8)...(11)  
 <223> Gly at positions 8-11 may be present or absent  
  
 <221> MOD\_RES  
 <222> (14)...(17)  
 <223> Gly at positions 8-11 may be present or absent

<400> 342  
 Gly Gly Gly Gly Ser Gly Gly Gly Gly Gly Ser Gly Gly Gly Gly  
 1 5 10 15  
 Gly

<210> 343  
 <211> 11  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> peptide linker

<221> MOD\_RES  
 <222> (4)...(4)  
 <223> Xaa = Ala, Val, Leu, Ile, Met, Phe, Trp, Pro,  
 Gly, Ser, Thr, Cys, Tyr, Asn, Gln, Lys, Arg,  
 His, Asp or Glu

<221> MOD\_RES  
 <222> (8)...(8)  
 <223> Xaa = Ala, Val, Leu, Ile, Met, Phe, Trp, Pro,  
 Gly, Ser, Thr, Cys, Tyr, Asn, Gln, Lys, Arg,  
 His, Asp or Glu

<400> 343  
 Gly Gly Gly Xaa Gly Gly Gly Xaa Gly Gly Gly  
 1 5 10

<210> 344  
 <211> 11  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> peptide linker

<221> MOD\_RES  
 <222> (4)...(4)  
 <223> Xaa = Ser, Ala or Thr

<221> MOD\_RES  
 <222> (8)...(8)  
 <223> Xaa = Ser, Ala or Thr

<400> 344  
 Gly Gly Gly Xaa Gly Gly Gly Xaa Gly Gly Gly  
 1 5 10

<210> 345  
 <211> 11  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> peptide linker

<400> 345  
 Gly Gly Gly Ser Gly Gly Gly Ser Gly Gly Gly  
 1 5 10

<210> 346  
 <211> 25  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> specific peptide linker  
  
 <221> MOD\_RES  
 <222> (2)...(12)  
 <223> Gly at positions 2-12 may be present or absent  
  
 <221> MOD\_RES  
 <222> (15)...(25)  
 <223> Gly at positions 15-25 may be present or absent  
  
 <400> 346  
 Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Cys Gly Gly Gly  
 1 5 10 15  
 Gly Gly Gly Gly Gly Gly Gly Gly  
 20 25  
  
 <210> 347  
 <211> 11  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> peptide linker  
  
 <400> 347  
 Gly Gly Gly Gly Gly Cys Gly Gly Gly Gly Gly  
 1 5 10  
  
 <210> 348  
 <211> 25  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> specific proline-containing peptide linker  
  
 <221> MOD\_RES  
 <222> (2)...(12)  
 <223> Pro at positions 2-12 may be present or absent  
  
 <221> MOD\_RES  
 <222> (15)...(25)  
 <223> Pro at positions 15-25 may be present or absent  
  
 <400> 348  
 Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro Cys Pro Pro Pro  
 1 5 10 15  
 Pro Pro Pro Pro Pro Pro Pro Pro  
 20 25  
  
 <210> 349  
 <211> 11  
 <212> PRT  
 <213> Artificial Sequence

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    <220>
    <223> peptide linker

    <400> 349
Pro Pro Pro Pro Pro Cys Pro Pro Pro Pro Pro
1           5           10

    <210> 350
    <211> 19
    <212> PRT
    <213> Artificial Sequence

    <220>
    <223> peptide linker comprising N-glycosylation site

    <221> MOD_RES
    <222> (2)...(8)
    <223> Gly at positions 2-12 may be present or absent

    <221> MOD_RES
    <222> (10)...(10)
    <223> Xaa = any amino acid except Pro

    <221> MOD_RES
    <222> (11)...(11)
    <223> Xaa = Ser or Thr

    <221> MOD_RES
    <222> (13)...(19)
    <223> Gly at positions 2-12 may be present or absent

    <400> 350
Gly Gly Gly Gly Gly Gly Gly Gly Asn Xaa Xaa Gly Gly Gly Gly Gly
1           5           10           15
Gly Gly Gly

    <210> 351
    <211> 19
    <212> PRT
    <213> Artificial Sequence

    <220>
    <223> peptide linker comprising N-glycosylation site

    <221> MOD_RES
    <222> (2)...(8)
    <223> Gly at positions 2-12 may be present or absent

    <221> MOD_RES
    <222> (10)...(10)
    <223> Xaa = any amino acid except Pro

    <221> MOD_RES
    <222> (13)...(19)
    <223> Gly at positions 2-12 may be present or absent

    <400> 351
Gly Gly Gly Gly Gly Gly Gly Gly Asn Xaa Thr Gly Gly Gly Gly Gly
1           5           10           15
Gly Gly Gly

```

```

<210> 352
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> A domain linker 6mer

<221> MOD_RES
<222> (1)...(1)
<223> Xaa = Ala, Pro, Thr, Gln, Glu or Lys

<221> MOD_RES
<222> (2)...(3)
<223> Xaa = any amino acid except Cys, Phe, Tyr, Trp or
      Met

<221> MOD_RES
<222> (4)...(4)
<223> Xaa = Ser, Gly or Arg

<221> MOD_RES
<222> (5)...(5)
<223> Xaa = His, Pro or Arg

<400> 352
Xaa Xaa Xaa Xaa Xaa Thr
1           5

<210> 353
<211> 40
<212> PRT
<213> Artificial Sequence

<220>
<223> IG156 monomer domain

<400> 353
Cys Leu Ser Ser Glu Phe Gln Cys Gln Ser Ser Gly Arg Cys Ile Pro
1           5           10           15
Leu Ala Trp Val Cys Asp Gly Asp Asn Asp Cys Arg Asp Asp Ser Asp
20           25           30
Glu Lys Ser Cys Lys Pro Arg Thr
35           40

<210> 354
<211> 51
<212> PRT
<213> Artificial Sequence

<220>
<223> RBCA monomer domain

<400> 354
Cys Arg Ser Ser Gln Phe Gln Cys Asn Asp Ser Arg Ile Cys Ile Pro
1           5           10           15
Gly Arg Trp Arg Cys Asp Gly Asp Asn Asp Cys Gln Asp Gly Ser Asp
20           25           30

```

Glu Thr Gly Cys Gly Asp Ser His Ile Leu Pro Phe Ser Thr Pro Gly  
           35                          40                          45  
 Pro Ser Thr  
       50

<210> 355  
 <211> 48  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> RBCB monomer domain

<400> 355  
 Cys Pro Ala Gly Glu Phe Pro Cys Lys Asn Gly Gln Cys Leu Pro Val  
   1                  5                  10                  15  
 Thr Trp Leu Cys Asp Gly Val Asn Asp Cys Leu Asp Gly Ser Asp Glu  
           20                  25                  30  
 Lys Gly Cys Gly Arg Pro Gly Pro Gly Ala Thr Ser Ala Pro Ala Ala  
       35                          40                          45

<210> 356  
 <211> 48  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> RBC11 monomer domain

<400> 356  
 Cys Pro Pro Asp Glu Phe Pro Cys Lys Asn Gly Gln Cys Ile Pro Gln  
   1                  5                  10                  15  
 Asp Trp Leu Cys Asp Gly Val Asn Asp Cys Leu Asp Gly Ser Asp Glu  
           20                  25                  30  
 Lys Asp Cys Gly Arg Pro Gly Pro Gly Ala Thr Ser Ala Pro Ala Ala  
       35                          40                          45

<210> 357  
 <211> 41  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> CSA-A8 monomer domain

<400> 357  
 Cys Gly Ala Gly Gln Phe Pro Cys Lys Asn Gly His Cys Leu Pro Leu  
   1                  5                  10                  15  
 Asn Leu Leu Cys Asp Gly Val Asn Asp Cys Glu Asp Asn Ser Asp Glu  
           20                  25                  30  
 Pro Ser Glu Leu Cys Lys Ala Leu Thr  
       35                          40

<210> 358  
 <211> 6  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> 6xHis

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      <400> 358
His His His His His His
 1               5

      <210> 359
      <211> 50
      <212> DNA
      <213> Artificial Sequence

      <220>
      <223> assembly PCR oligonucleotide

      <400> 359
acactgcaat cgcgccttac ggctcccggg cggatcctcc cataagttca
                                         50

      <210> 360
      <211> 72
      <212> DNA
      <213> Artificial Sequence

      <220>
      <223> assembly PCR oligonucleotide

      <220>
      <221> modified_base
      <222> (1)...(72)
      <223> n = g, a, c or t

      <400> 360
agctacaaaa gtgacannkn nknnknnknn knnknnknnk nnknnknnkn nkccatacgt
cgaattgttc at
                                         60
                                         72

      <210> 361
      <211> 72
      <212> DNA
      <213> Artificial Sequence

      <220>
      <223> assembly PCR oligonucleotide

      <400> 361
agctacaaaa gtgacaaaag gtgcttttgg tgatatgttg gatactccag atccatacgt
cgaattgttc at
                                         60
                                         72

      <210> 362
      <211> 62
      <212> DNA
      <213> Artificial Sequence

      <220>
      <223> assembly PCR oligonucleotide

      <220>
      <221> modified_base
      <222> (1)...(62)
      <223> n = g, a, c or t

      <400> 362
taggaagaga acacgtcatt ttnnknnknn kattaaccct gtttggaacg agacctttga
gt
                                         60
                                         62

```



```

<210> 363
<211> 62
<212> DNA
<213> Artificial Sequence

<220>
<223> assembly PCR oligonucleotide

<400> 363
taggaagaga acacgtcatt ttaataatga tattaaccct gtttggaacg agacctttga      60
gt                                                    62

<210> 364
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> assembly PCR oligonucleotide

<220>
<221> modified_base
<222> (1)...(58)
<223> n = g, a, c or t

<400> 364
ttggaaatca ccctaattggn knnknnknnk nnknnknnkn nkactctagg tacagcaa      58

<210> 365
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> assembly PCR oligonucleotide

<400> 365
ttggaaatca ccctaattgga tgcaaattat gttatggacg aaactctagg tacagcaa      58

<210> 366
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> assembly PCR oligonucleotide

<400> 366
aagaaggaag tcccatttat tttcaatcaa gttactgaaa tgggtcttaga gatgtccctt      60

<210> 367
<211> 48
<212> DNA
<213> Artificial Sequence

<220>
<223> assembly PCR oligonucleotide

<400> 367
tgtcactttg gtagctctta acacaactac agtgaactta tgggagga      48

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<210> 368  
 <211> 51  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> assembly PCR oligonucleotide  
  
 <400> 368  
 acgtgtttctc ttcctagaat ctggagttgt actgatgaac aattcgacgt a 51  
  
 <210> 369  
 <211> 62  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> assembly PCR oligonucleotide  
  
 <400> 369  
 attaggggtga tttccaaaac attttcttga ttaggatcta atataaactc aaaggtctcg 60  
 tt 62  
  
 <210> 370  
 <211> 64  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> assembly PCR oligonucleotide  
  
 <400> 370  
 atggggacttc cttcttttct ccacttttca ttgaagatac agtaaactg gctgtaccta 60  
 gagt 64  
  
 <210> 371  
 <211> 67  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> assembly PCR oligonucleotide  
  
 <400> 371  
 gaccgatagc ttgccgattg cagtgtggcc acagaggcct cgagaacttc aagggacatc 60  
 tctaaga 67  
  
 <210> 372  
 <211> 56  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> amplification PCR oligonucleotide  
  
 <400> 372  
 acactgcaat cgcgccttac ggctcaggtg ctggtggttc ccataagttc actgta 56

<210> 373  
 <211> 80  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> amplification PCR oligonucleotide  
  
 <400> 373  
 accgatagct tgccgattgc agtcagcacc tgaaccacca ccaccagaac caccaccacc 60  
 aaçttcaagg gacatçtçta 80  
  
 <210> 374  
 <211> 227  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> stop fragment Stop1  
  
 <400> 374  
 gaattcaacg ctactaccat tagtagaatt gatgccacct tttcagctcg cgccccaaat 60  
 gaaaaaatgg tcaaactaaa tctactcggt cgcagaattg ggaatcaact gttacatgga 120  
 atgaaacttc cagacaccgt actttatgaa tatttatgac gattccgagg cgcgcccgga 180  
 ctaccçgtat gatgttccgg attatgcccc gggatçctca ggtgctg 227  
  
 <210> 375  
 <211> 173  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> stop fragment Stop2  
  
 <400> 375  
 caggtgctgc actcgaggcc actgcggccg catattaacg tagatçttttc ctcccaacgt 60  
 cctgactggg ataatgagcc agttçttaaa atcgcataac cagtacatgg tgattaaagt 120  
 tgaaattaaa cçgtçtcaag agçtttggtta çgttgatttg ggtaatgaag çtt 173  
  
 <210> 376  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> amplification PCR primer  
  
 <400> 376  
 aattcaacgc tactaccat 19  
  
 <210> 377  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> amplification PCR primer  
  
 <400> 377  
 agçttcatta cccaaatcaa c 21

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<210> 378
<211> 81
<212> DNA
<213> Artificial Sequence

<220>
<223> assembly PCR oligonucleotide

<400> 378
cactatgcat ggactcagtg tgtccgataa gggcacacgg tgcctaccgc tatgatgttc      60
cggattatgc cccgggcagt a                                         81

<210> 379
<211> 84
<212> DNA
<213> Artificial Sequence

<220>
<223> assembly PCR oligonucleotide

<220>
<221> modified_base
<222> (1)...(84)
<223> n = g, a, c or t

<400> 379
cgccgtcgca tmscmagykc nsagraatac awyggccggt wyygcacbka aattsgyyag      60
vcnsacaggt actgcccggg gcat                                         84

<210> 380
<211> 84
<212> DNA
<213> Artificial Sequence

<220>
<223> assembly PCR oligonucleotide

<220>
<221> modified_base
<222> (1)...(84)
<223> n = g, a, c or t

<400> 380
cgccgtcgca tmscmatkcc nsagraatac awyggccggt wyygcacbka aattsgyyag      60
vcnsacaggt actgcccggg gcat                                         84

<210> 381
<211> 79
<212> DNA
<213> Artificial Sequence

<220>
<223> assembly PCR oligonucleotide

<220>
<221> modified_base
<222> (1)...(79)
<223> n = g, a, c or t

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<400> 381  
 atgcgacggc gwwratgatt gtsvagatgg tagcgatgaa vwgrttgtv mavnmvnmvg 60  
 ccvtacgggc tcggcctct 79  
  
 <210> 382  
 <211> 79  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> assembly PCR oligonucleotide  
  
 <220>  
 <221> modified\_base  
 <222> (1)...(79)  
 <223> n = g, a, c or t

<400> 382  
 atgcgacggc gwccggatt gtsvagatgg tagcgatgaa vwgrttgtv mavnmvnmvg 60  
 ccvtacgggc tcggcctct 79  
  
 <210> 383  
 <211> 79  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> assembly PCR oligonucleotide  
  
 <220>  
 <221> modified\_base  
 <222> (1)...(79)  
 <223> n = g, a, c or t

<400> 383  
 atgcgacggc gwwratgatt gtsvagataa cagcgatgaa vwgrttgtv mavnmvnmvg 60  
 ccvtacgggc tcggcctct 79  
  
 <210> 384  
 <211> 79  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> assembly PCR oligonucleotide  
  
 <220>  
 <221> modified\_base  
 <222> (1)...(79)  
 <223> n = g, a, c or t

<400> 384  
 atgcgacggc gwccggatt gtsvagataa cagcgatgaa vwgrttgtv mavnmvnmvg 60  
 ccvtacgggc tcggcctct 79  
  
 <210> 385  
 <211> 81  
 <212> DNA  
 <213> Artificial Sequence

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<220>
<223> assembly PCR oligonucleotide

<400> 385
tcttggtagt acttatctac tactatattgt ctgtgtctgc tctgggttcc taacggttcg      60
gccacagagg ccgagcccg a                                                    81

<210> 386
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> amplification PCR oligonucleotide

<400> 386
aagcctcagc gaccgaa                                                    17

<210> 387
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> amplification PCR oligonucleotide

<400> 387
agcccaatag gaacccat                                                    18

<210> 388
<211> 228
<212> DNA
<213> Artificial Sequence

<220>
<223> stop fragment Stop1

<400> 388
gaattcaacg ctactacat tagtagaatt gatgccacct tttcagctcg cgccccaaat      60
gaaaaaatgg tcaaactaaa tctactcggt cgcagaattg ggaatcaact gttacatgga      120
atgaaacttc cagacaccgt actttatgaa tatttatgac gattccgagg cgcgcccgga      180
ctaccctgat gatgttccgg attatgcccc gggcggatcc agtacctg                    228

<210> 389
<211> 176
<212> DNA
<213> Artificial Sequence

<220>
<223> stop fragment Stop2

<400> 389
gccctacggg cctcgaggca cctggtgctg ccgcatatta acgtagattt ttcctcccaa      60
cgtcctgact ggtataatga gccagttctt aaaatcgcat aaccagtaca tggtgattaa      120
agttgaaatt aaaccgtctc aagagctttg ttacgttgat ttgggtaatg aagctt          176

<210> 390
<211> 21
<212> DNA
<213> Artificial Sequence

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<220>
<223> amplification PCR primer

<400> 390
agcttcatta cccaaatcaa c                                21

<210> 391
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> amplification PCR primer

<400> 391
aattcaacgc tactaccat                                19

<210> 392
<211> 42
<212> PRT
<213> Artificial Sequence

<220>
<223> CD20 binding sequence 2

<400> 392
Cys Leu Pro Asp Glu Phe Gln Cys Arg Ser Thr Gly Ile Cys Ile Pro
1      5      10      15
Leu Ala Trp Arg Cys Asp Gly Val Asn Asp Cys Gln Asp Asp Ser Asp
20      25      30
Glu Thr Asn Cys Arg Ala Thr Gly Arg Thr
35      40

<210> 393
<211> 53
<212> PRT
<213> Artificial Sequence

<220>
<223> CD20 binding sequence 3

<400> 393
Cys Leu Pro Gly Glu Phe Arg Cys Arg Gly Thr Ser Ile Cys Ile Pro
1      5      10      15
Pro Ser Trp Val Cys Asp Gly Val Asp Asp Cys Gly Asp Gly Ser Asp
20      25      30
Glu Ala Leu Glu His Cys Gly Asp Ser His Ile Leu Pro Phe Ser Thr
35      40      45
Pro Gly Pro Ser Thr
50

<210> 394
<211> 51
<212> PRT
<213> Artificial Sequence

<220>
<223> CD20 binding sequence 4

```

<400> 394  
 Cys Gln Pro Asn Glu Phe Pro Cys Gly Ser Thr Gly Leu Cys Val Pro  
 1 5 10 15  
 Arg Glu Trp Leu Cys Asp Gly Val Asp Asp Cys Gln Asp Gly Ser Asp  
 20 25 30  
 Glu Pro Asp Cys Gly Asp Ser His Ile Leu Pro Phe Ser Thr Pro Gly  
 35 40 45  
 Pro Ser Thr  
 50

<210> 395  
 <211> 53  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> CD20 binding sequence 5

<400> 395  
 Cys Leu Pro Gly Glu Phe Arg Cys Arg Gly Thr Ser Ile Cys Ile Pro  
 1 5 10 15  
 Pro Ser Trp Val Cys Asp Gly Val Asp Asp Cys Gly Asp Gly Ser Asp  
 20 25 30  
 Glu Ala Leu Glu His Cys Gly Asp Ser His Ile Leu Pro Phe Ser Thr  
 35 40 45  
 Pro Gly Pro Ser Thr  
 50

<210> 396  
 <211> 42  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> CD20 binding sequence 6

<400> 396  
 Cys Arg Ser Gly Glu Phe Lys Cys His Gly Thr Arg Pro Cys Val Pro  
 1 5 10 15  
 Gln Arg Trp Val Cys Asp Gly Asp Asp Asp Cys Val Asp Gly Ser Asp  
 20 25 30  
 Glu Lys Ser Cys Glu Thr Pro Ala Arg Arg  
 35 40

<210> 397  
 <211> 42  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> CD20 binding sequence 7

<400> 397  
 Cys Arg Ser Ser Gln Phe Lys Cys His Asn Thr Arg Pro Cys Ile Pro  
 1 5 10 15  
 Gly Arg Trp Val Cys Asp Gly Val Asn Asp Cys Leu Asp Gly Ser Asp  
 20 25 30  
 Glu Ala Asn Cys Arg Arg Ala Ala Arg Arg  
 35 40



<210> 398  
 <211> 42  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> CD20 binding sequence 8

<400> 398  
 Cys Leu Pro Glu Arg Phe Gln Cys Ala Val Pro Gly Tyr Cys Ile Pro  
 1 5 10 15  
 Leu Pro Gly Val Cys Asp Gly Val Asn Asp Cys Gln Glu Asp Ser Asp  
 20 25 30  
 Glu Pro Asn Cys Arg Ala Pro Gly Leu Arg  
 35 40

<210> 399  
 <211> 48  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> CD20 binding sequence 9

<400> 399  
 Cys Arg Arg Asn Glu Phe Arg Cys Lys Ser Gly His Cys Val Pro Gln  
 1 5 10 15  
 Pro Leu Val Cys Asp Gly Val Arg Asp Cys Glu Asp Asn Ser Asp Glu  
 20 25 30  
 Pro Ser Cys Gly Arg Pro Gly Pro Gly Ala Thr Ser Ala Pro Ala Ala  
 35 40 45

<210> 400  
 <211> 48  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> CD20 binding sequence 10

<400> 400  
 Cys Arg Ala Gly Glu Phe Pro Cys Lys Asn Gly Gln Cys Leu Pro Val  
 1 5 10 15  
 Thr Trp Leu Cys Asp Gly Val Asn Asp Cys Leu Asp Gly Ser Asp Glu  
 20 25 30  
 Lys Gly Cys Gly Arg Pro Gly Pro Gly Ala Thr Ser Ala Pro Ala Ala  
 35 40 45

<210> 401  
 <211> 48  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> CD20 binding sequence 11

<400> 401  
 Cys Pro Ser Asn Glu Phe Thr Cys Lys Ser Gly His Cys Val Pro Gln  
 1 5 10 15  
 Pro Phe Val Cys Asp Gly Val Pro Asp Cys Glu Asp Asn Ser Asp Glu  
 20 25 30

Thr Ser Cys Gly Arg Pro Gly Pro Gly Ala Thr Ser Ala Pro Ala Ala  
 35 40 45

<210> 402  
 <211> 49  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> CD20 binding sequence 14

<400> 402  
 Cys Arg Ala Ser Glu Phe Pro Cys Arg Gly Thr Gly Thr Cys Ile Pro  
 1 5 10 15  
 Arg His Trp Leu Cys Asp Gly Glu Asn Asp Cys Ala Asp Ser Ser Asp  
 20 25 30  
 Glu Lys Asp Cys Gly Arg Pro Gly Pro Gly Ala Thr Ser Ala Pro Ala  
 35 40 45  
 Ala

<210> 403  
 <211> 49  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> CD20 binding sequence 15

<400> 403  
 Cys Pro Pro Asp Glu Phe Arg Cys Lys Ser Tyr Lys Arg Cys Val Pro  
 1 5 10 15  
 Leu Ala Phe Val Cys Asp Gly Val Asp Asp Cys Glu Asp Gly Ser Asp  
 20 25 30  
 Glu Glu Gly Cys Gly Arg Pro Gly Pro Gly Ala Thr Ser Ala Pro Ala  
 35 40 45  
 Ala

<210> 404  
 <211> 42  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> CD20 binding sequence 1

<400> 404  
 Cys Leu Pro Asp Glu Phe Gln Cys Arg Ser Thr Gly Ile Cys Ile Pro  
 1 5 10 15  
 Leu Ala Trp Arg Cys Asp Gly Val Asn Asp Cys Gln Asp Asp Ser Asp  
 20 25 30  
 Glu Thr Asn Cys Arg Ala Thr Gly Arg Thr  
 35 40

<210> 405  
 <211> 44  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> CD20 binding sequence 6

<400> 405  
 Cys Pro Ala Gly Glu Phe Gln Cys Gly Asn Gly Gln Cys Ile Pro Ala  
 1 5 10 15  
 Thr Trp Leu Cys Asp Gly Val Asn Asp Cys Leu Asp Asn Ser Asp Glu  
 20 25 30  
 Thr Gly Cys Ser Gln Asp Pro Glu Phe His Lys Val  
 35 40

<210> 406  
 <211> 42  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> CD20 binding sequence CC3

<400> 406  
 Cys Pro Ala Ser Gln Phe Lys Cys His Asn Thr Arg Thr Cys Ile Pro  
 1 5 10 15  
 Arg Arg Trp Val Cys Asp Gly Val Asn Asp Cys Leu Asp Gly Ser Asp  
 20 25 30  
 Glu Ala Asn Cys Arg Arg Ala Ala Pro Thr  
 35 40

<210> 407  
 <211> 12  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> repeated Gly-Gly-Ser linker

<400> 407  
 Gly Gly Ser Gly Gly Ser Gly Gly Ser Gly Gly Ser  
 1 5 10

<210> 408  
 <211> 43  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> TPO-R binding sequence T4690 (TPO1)

<400> 408  
 Cys His Ser Thr Gly Glu Phe Arg Cys Arg Ser Ser Gly Ile Cys Val  
 1 5 10 15  
 Ser Pro Thr Trp Val Cys Asp Gly Glu Asn Asp Cys Leu Asp Gly Ser  
 20 25 30  
 Asp Glu Ala Ser Cys Thr Ala Ala Gly Pro Thr  
 35 40

<210> 409  
 <211> 49  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> TPO-R binding sequence T5 (TPO2)

<400> 409  
 Cys Pro Pro Ser Glu Phe Arg Cys Asn Ser Gly Gln Cys Ile Pro Arg  
 1 5 10 15  
 Glu Trp Arg Cys Asp Gly Asp Asn Asp Cys Ala Asp Asn Ser Asp Glu  
 20 25 30  
 Glu Ser Cys Ser Ala Pro Ala Ser Glu Pro Pro Gly Ser Leu Ser Leu  
 35 40 45  
 Gln

<210> 410  
 <211> 44  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> TPO-R binding sequence T2 (TPO9)

<400> 410  
 Cys Leu Pro Ser Glu Phe Arg Cys Ser Ser Gly His Cys Ile Pro Arg  
 1 5 10 15  
 Arg Trp Arg Cys Asp Gly Glu Pro Asp Cys Gln Asp Gly Ser Asp Glu  
 20 25 30  
 Ala Asn Cys Gly Thr Ser Glu His Thr Ser Leu Gln  
 35 40

<210> 411  
 <211> 50  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> TPO-R binding sequence T1 (TPO10)

<400> 411  
 Cys Gln Ser Asn Glu Phe Gln Cys His Asn Tyr Asn Ile Cys Leu Pro  
 1 5 10 15  
 Arg Pro Trp Val Cys Asp Gly Val Asn Asp Cys Pro Asp Gly Ser Asp  
 20 25 30  
 Glu Glu Gly Cys Ser Ala Pro Ala Ser Glu Pro Pro Gly Ser Leu Ser  
 35 40 45  
 Leu Gln  
 50

<210> 412  
 <211> 50  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> IgE-binding monomer sequence IGE-1

<400> 412  
 Cys Pro Ala Asn Glu Phe Gln Cys Arg Asn Ser Ser Thr Cys Ile Pro  
 1 5 10 15  
 Arg Arg Trp Leu Cys Asp Gly Asp Asp Asp Cys Gly Asp Gly Ser Asp  
 20 25 30  
 Glu Thr Gly Cys Ser Ala Pro Ala Ser Glu Pro Pro Gly Ser Leu Ser  
 35 40 45  
 Leu Gln  
 50

<210> 413  
 <211> 89  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> IgE-binding walked dimer 1

<400> 413  
 Cys Pro Ala Asn Glu Phe Gln Cys Arg Asn Ser Ser Thr Cys Ile Pro  
 1 5 10 15  
 Arg Arg Trp Leu Cys Asp Gly Asp Asp Cys Gly Asp Gly Ser Asp  
 20 25 30  
 Glu Thr Gly Cys Ser Ala Pro Ala Ser Glu Pro Pro Gly Ser Leu Cys  
 35 40 45  
 Gln Pro Asp Gln Phe Arg Cys Ser Ser Gly Arg Cys Leu Ser Arg Glu  
 50 55 60  
 Trp Leu Cys Asp Gly Glu Asp Asp Cys Glu Asp Asp Ser Asp Glu Thr  
 65 70 75 80  
 Asp Cys Pro Thr Arg Thr Ser Leu Gln  
 85

<210> 414  
 <211> 96  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> IgE-binding walked dimer 2

<400> 414  
 Cys Pro Ala Asn Glu Phe Gln Cys Arg Asn Ser Ser Thr Cys Ile Pro  
 1 5 10 15  
 Arg Arg Trp Leu Cys Asp Gly Asp Asp Asp Cys Gly Asp Gly Ser Asp  
 20 25 30  
 Glu Thr Gly Cys Ser Ala Pro Ala Ser Glu Pro Pro Gly Ser Leu Cys  
 35 40 45  
 Leu Pro Ser Gln Phe Pro Cys Asp Ser Gly Asn Cys Leu Pro Leu Thr  
 50 55 60  
 Trp Leu Cys Asp Gly Val Asp Asp Cys Gly Asp Asn Ser Asp Glu Glu  
 65 70 75 80  
 Asp Cys Ser Ala Pro Ala Ser Glu Pro Pro Gly Ser Leu Ser Leu Gln  
 85 90 95

<210> 415  
 <211> 91  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> IgE-binding walked dimer 3

<400> 415  
 Cys Pro Ala Asn Glu Phe Gln Cys Arg Asn Ser Ser Thr Cys Ile Pro  
 1 5 10 15  
 Arg Arg Trp Leu Cys Asp Gly Asp Asp Asp Cys Gly Asp Gly Ser Asp  
 20 25 30  
 Glu Thr Gly Cys Ser Ala Pro Ala Ser Glu Pro Pro Gly Ser Leu Cys  
 35 40 45  
 Arg Ala Asn Gln Phe Pro Cys Asp Asn Gly Asn Cys Leu Pro Gln Pro  
 50 55 60

Trp Arg Cys Asp Gly Asp Asn Asp Cys Val Asp Gly Ser Asp Glu Thr  
65 70 75 80  
Ser Cys Glu Ala Pro Ala His Thr Ser Leu Gln  
85 90

<210> 416  
<211> 92  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> IgE-binding walked dimer 4

<400> 416  
Cys Pro Ala Asn Glu Phe Gln Cys Arg Asn Ser Ser Thr Cys Ile Pro  
1 5 10 15  
Arg Arg Trp Leu Cys Asp Gly Asp Asp Asp Cys Gly Asp Gly Ser Asp  
20 25 30  
Glu Thr Gly Cys Ser Ala Pro Ala Ser Glu Pro Pro Gly Ser Leu Cys  
35 40 45  
Ala Pro Asn Glu Phe Gln Cys Arg Asp Asn Asn Thr Cys Leu Pro Glu  
50 55 60  
Asp Trp Arg Cys Asp Gly Glu Asp Asp Cys Ala Asp Asn Ser Asp Glu  
65 70 75 80  
Ala Asn Cys Thr Thr Pro Gly Pro Thr Ser Leu Gln  
85 90

<210> 417  
<211> 99  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> IgE-binding walked dimer 5

<400> 417  
Cys Pro Ala Asn Glu Phe Gln Cys Arg Asn Ser Ser Thr Cys Ile Pro  
1 5 10 15  
Arg Arg Trp Leu Cys Asp Gly Glu Asp Asp Cys Glu Asp Gly Ser Asp  
20 25 30  
Glu Ala Ser Asp Thr Cys Ser Ala Pro Ala Ser Glu Pro Pro Gly Ser  
35 40 45  
Leu Cys Pro Ala Asn Glu Phe Gln Cys Arg Asn Ser Ser Thr Cys Ile  
50 55 60  
Pro Arg Arg Trp Leu Cys Asp Gly Asp Asp Asp Cys Gly Asp Gly Ser  
65 70 75 80  
Asp Glu Thr Gly Cys Ser Ala Pro Ala Ser Glu Pro Pro Gly Ser Leu  
85 90 95  
Ser Leu Gln

<210> 418  
<211> 89  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> IgE-binding walked dimer 6

<400> 418  
Cys Gly Ser Gly Gln Phe Pro Cys Gly Ser Gly His Cys Val Pro Leu  
1 5 10 15

Asn Trp Val Cys Asp Gly Val Asp Asp Cys Gly Asp Asp Ser Asp Glu  
                   20                  25                  30  
 Thr Asp Cys Lys Ala His Thr Cys Pro Ala Asn Glu Phe Gln Cys Arg  
                   35                  40                  45  
 Asn Ser Ser Thr Cys Ile Pro Arg Arg Trp Leu Cys Asp Gly Asp Asp  
                   50                  55                  60  
 Asp Cys Gly Asp Gly Ser Asp Glu Thr Gly Cys Ser Ala Pro Ala Ser  
                   65                  70                  75                  80  
 Glu Pro Pro Gly Ser Leu Ser Leu Gln  
                                   85

<210> 419  
 <211> 91  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> IgE-binding walked dimer 7

<400> 419  
 Cys Pro Ala Asn Glu Phe Gln Cys Arg Asn Ser Ser Thr Cys Ile Pro  
   1                  5                  10                  15  
 Arg Arg Trp Leu Cys Asp Gly Asp Asp Asp Cys Gly Asp Gly Ser Asp  
                   20                  25                  30  
 Glu Thr Gly Cys Ser Ala Pro Ala Ser Glu Pro Pro Gly Ser Leu Cys  
                   35                  40                  45  
 Gly Ala Asp Gln Phe Pro Cys Ser Ser Gly His Cys Ile Pro Leu Pro  
                   50                  55                  60  
 Trp Val Cys Asp Gly Glu Asp Asp Cys Ala Asp Gly Ser Asp Glu Ala  
                   65                  70                  75                  80  
 Asp Cys Arg Gly Thr Glu Pro Thr Ser Leu Gln  
                                   85                                  90

<210> 420  
 <211> 96  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> IgE-binding walked dimer 8

<400> 420  
 Cys Pro Ala Asn Glu Phe Gln Cys Arg Asn Ser Ser Thr Cys Ile Pro  
   1                  5                  10                  15  
 Arg Arg Trp Leu Cys Asp Gly Asp Asp Asp Cys Gly Asp Gly Ser Asp  
                   20                  25                  30  
 Glu Thr Gly Cys Ser Ala Pro Ala Ser Glu Pro Pro Gly Ser Leu Cys  
                   35                  40                  45  
 Ala Pro Ser Gln Phe Arg Cys Gly Asn Gly Arg Cys Ile Pro Arg Ser  
                   50                  55                  60  
 Trp Arg Cys Asp Gly Glu Asp Asp Cys Ala Asp Asp Ser Asp Glu Glu  
                   65                  70                  75                  80  
 Asn Cys Ser Ala Pro Ala Ser Glu Pro Pro Gly Ser Leu Ser Leu Gln  
                                   85                                  90                                  95

<210> 421  
 <211> 99  
 <212> PRT  
 <213> Artificial Sequence

<220>

<223> IgE-binding walked dimer 9

<400> 421

```
Arg Val Trp Arg Arg Leu Val Gly Ser Cys Arg Pro Asn Gln Phe Thr
1      5      10      15
Cys Lys Ser Ser Glu Thr Cys Ile Pro Ala His Trp Arg Cys Asp Gly
20      25      30
Asp Asp Asp Cys Gly Asp Gly Ser Asp Glu Ala Asp Cys Glu Thr Arg
35      40      45
Thr Cys Pro Ala Asn Glu Phe Gln Cys Arg Asn Ser Ser Thr Cys Ile
50      55      60
Pro Arg Arg Trp Leu Cys Asp Gly Asp Asp Asp Cys Gly Asp Gly Ser
65      70      75      80
Asp Glu Thr Gly Cys Ser Ala Pro Ala Ser Glu Pro Pro Gly Ser Leu
85      90      95
Ser Leu Gln
```

<210> 422

<211> 90

<212> PRT

<213> Artificial Sequence

<220>

<223> IgE-binding walked dimer 10

<400> 422

```
Cys Pro Ala Asn Glu Phe Gln Cys Arg Asn Ser Ser Thr Cys Ile Pro
1      5      10      15
Arg Arg Trp Leu Cys Asp Gly Asp Asp Asp Cys Gly Asp Gly Ser Asp
20      25      30
Glu Thr Gly Cys Ser Ala Pro Ala Ser Glu Pro Pro Gly Ser Leu Cys
35      40      45
Gln Ser Ser Gln Phe Pro Cys His Asp Tyr Glu Ile Cys Leu Pro Ala
50      55      60
Thr Leu Leu Cys Asp Gly Val Asp Asp Cys Leu Asp Gly Ser Asp Glu
65      70      75      80
Thr Asn Cys Ala Lys Pro Thr Ser Leu Gln
85      90
```

<210> 423

<211> 91

<212> PRT

<213> Artificial Sequence

<220>

<223> IgE-binding walked dimer 12

<400> 423

```
Cys Pro Ala Asn Glu Phe Gln Cys Arg Asn Ser Ser Thr Cys Ile Pro
1      5      10      15
Arg Arg Trp Leu Cys Asp Gly Asp Asp Asp Cys Gly Asp Gly Ser Asp
20      25      30
Glu Pro Gly Cys Ser Ala Pro Ala Ser Glu Pro Pro Gly Ser Leu Cys
35      40      45
Pro Pro Gly Glu Phe Pro Cys Gly Asn Gly Arg Ser Val Pro Leu Thr
50      55      60
Trp Leu Cys Asp Gly Val Asp Asp Cys Gly Asp Asn Ser Asp Glu Thr
65      70      75      80
Gly Cys Glu Thr Thr Gly Arg Thr Ser Leu Gln
85      90
```



<210> 424  
 <211> 100  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> IgE-binding walked dimer 13 (27), IgE-binding  
 walked dimer 27 (13)

<400> 424  
 Cys Gly Ser Asn Gln Phe Pro Cys Glu Asn Gly Asn Cys Val Pro Leu  
 1 5 10 15  
 Gly Trp Gly Cys Asp Gly Val Asn Asp Cys Gln Asp Asn Ser Asp Glu  
 20 25 30  
 Ser Leu Ala Thr Cys Gly Arg Pro Gly Pro Gly Ala Thr Ser Ala Pro  
 35 40 45  
 Ala Ala Cys Pro Ala Asn Glu Phe Gln Cys Arg Asn Ser Ser Thr Cys  
 50 55 60  
 Ile Pro Arg Arg Trp Leu Cys Asp Gly Asp Asp Cys Gly Asp Gly  
 65 70 75 80  
 Ser Asp Glu Thr Gly Cys Ser Ala Pro Ala Ser Glu Pro Pro Gly Ser  
 85 90 95  
 Leu Ser Leu Gln  
 100

<210> 425  
 <211> 90  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> IgE-binding walked dimer 14

<400> 425  
 Cys Pro Ser Gly Gln Phe Pro Cys Asp Asn Gly His Cys Ile Pro Arg  
 1 5 10 15  
 Arg Trp Leu Cys Asp Gly Glu Asp Asp Cys Pro Asp Gly Ser Asp Glu  
 20 25 30  
 Ala Gln Val Cys Gln Gln Arg Thr Cys Pro Ala Asn Glu Phe Gln Cys  
 35 40 45  
 Arg Asn Ser Ser Thr Cys Ile Pro Arg Arg Trp Leu Cys Asp Gly Asp  
 50 55 60  
 Asp Asp Cys Gly Asp Gly Ser Asp Glu Thr Gly Cys Ser Ala Pro Ala  
 65 70 75 80  
 Ser Glu Pro Pro Gly Ser Leu Ser Leu Gln  
 85 90

<210> 426  
 <211> 124  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> IgE-binding walked dimer 15

<400> 426  
 Cys Pro Ala Asn Glu Phe Gln Cys Arg Asn Ser Ser Thr Cys Ile Pro  
 1 5 10 15  
 Arg Arg Trp Leu Cys Asp Gly Asp Asp Asp Cys Gly Asp Gly Ser Asp  
 20 25 30

Glu Thr Gly Cys Ser Ala Pro Ala Ser Glu Pro Pro Gly Ser Leu Ser  
           35                          40                          45  
 Leu Gln Ala Leu Leu Cys Asp Gly Val Asp Asp Cys Arg Asp Gly Ser  
       50                          55                          60  
 Asp Glu Ser Ala Leu Cys Glu Glu His Thr Cys Pro Ala Asn Glu Phe  
 65                          70                          75                          80  
 Gln Cys Arg Asn Ser Ser Thr Cys Ile Pro Arg Arg Trp Leu Cys Asp  
                           85                          90                          95  
 Gly Asp Asp Asp Cys Gly Asp Gly Ser Asp Glu Thr Gly Cys Ser Ala  
                           100                          105                          110  
 Pro Ala Ser Glu Pro Pro Gly Ser Leu Ser Leu Gln  
           115                          120

<210> 427  
 <211> 91  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> IgE-binding walked dimer 16

<400> 427  
 Cys Pro Ala Asn Glu Phe Gln Cys Arg Asn Ser Ser Thr Cys Ile Pro  
   1                          5                          10                          15  
 Arg Arg Trp Leu Cys Asp Gly Asp Asp Asp Cys Gly Asp Gly Ser Asp  
           20                          25                          30  
 Glu Pro Gly Cys Ser Ala Pro Ala Ser Glu Pro Pro Gly Ser Leu Cys  
           35                          40                          45  
 Arg Arg Ala Glu Phe Thr Cys Arg Asn Gly Ser Cys Leu Pro Val Pro  
   50                          55                          60  
 Trp Leu Cys Asp Ala Glu Asn Asp Cys Pro Asp Gly Ser Asp Glu Pro  
 65                          70                          75                          80  
 Asp Cys Gly Ser Pro Ala Arg Arg Ser Leu Gln  
                           85                          90

<210> 428  
 <211> 89  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> IgE-binding walked dimer 19

<400> 428  
 Cys Pro Ala Asn Glu Phe Gln Cys Arg Asn Ser Ser Thr Cys Ile Pro  
   1                          5                          10                          15  
 Arg Arg Trp Leu Cys Asp Gly Asp Asp Asp Cys Gly Asp Gly Ser Asp  
           20                          25                          30  
 Glu Pro Gly Cys Ser Ala Pro Ala Ser Glu Pro Pro Gly Ser Leu Cys  
           35                          40                          45  
 Pro Pro Asp Gln Phe Arg Cys Lys Asn Gly Arg Cys Ile Pro Arg His  
   50                          55                          60  
 Leu Val Cys Asp Gly Asp Asp Asp Cys Gly Asp Asp Ser Asp Glu Ala  
 65                          70                          75                          80  
 Gly Cys Gln Thr Arg Thr Ser Leu Gln  
                           85

<210> 429  
 <211> 93  
 <212> PRT  
 <213> Artificial Sequence

<220>

<223> IgE-binding walked dimer 21

<400> 429

Cys	Pro	Ala	Asn	Glu	Phe	Gln	Cys	Arg	Asn	Ser	Ser	Thr	Cys	Ile	Pro
1				5					10					15	
Arg	Arg	Trp	Leu	Cys	Asp	Gly	Asp	Asp	Asp	Cys	Gly	Asp	Gly	Ser	Asp
			20					25					30		
Glu	Thr	Gly	Cys	Ser	Ala	Pro	Ala	Ser	Glu	Pro	Pro	Gly	Ser	Leu	Cys
		35					40					45			
Glu	Pro	Gly	Gln	Phe	Gln	Cys	Asn	Asn	Asn	Asp	Thr	Cys	Val	Ser	Pro
	50					55				60					
Pro	Trp	Leu	Cys	Asp	Ala	Asp	Arg	Asp	Cys	Gly	Arg	Ser	Asp	Glu	Arg
65					70					75					80
Pro	Pro	His	Cys	Ala	Thr	Pro	Glu	Leu	Thr	Ser	Leu	Gln			
				85					90						

<210> 430

<211> 100

<212> PRT

<213> Artificial Sequence

<220>

<223> IgE-binding walked dimer 23

<400> 430

Cys	Pro	Ala	Gly	Gln	Phe	Arg	Cys	Glu	Asn	Gly	Arg	Cys	Leu	Pro	Pro
1				5					10					15	
Pro	Trp	Arg	Cys	Asp	Gly	Val	Asn	Asp	Cys	Glu	Asp	Asn	Ser	Asp	Glu
			20					25					30		
Ala	Gly	Cys	Gly	Asp	Ser	His	Ile	Leu	Pro	Phe	Ser	Thr	Pro	Gly	Pro
		35					40					45			
Ser	Thr	Cys	Pro	Ala	Asn	Glu	Phe	Gln	Cys	Arg	Asn	Ser	Ser	Thr	Cys
	50					55				60					
Ile	Pro	Arg	Arg	Trp	Leu	Cys	Asp	Gly	Asp	Asp	Asp	Cys	Gly	Asp	Gly
65					70					75					80
Ser	Asp	Glu	Thr	Gly	Cys	Ser	Ala	Pro	Ala	Ser	Glu	Pro	Pro	Gly	Ser
				85					90					95	
Leu	Ser	Leu	Gln												
			100												

<210> 431

<211> 89

<212> PRT

<213> Artificial Sequence

<220>

<223> IgE-binding walked dimer 25

<400> 431

Cys	Pro	Ala	Asn	Glu	Phe	Gln	Cys	Arg	Asn	Ser	Ser	Thr	Cys	Ile	Pro
1				5					10					15	
Arg	Arg	Trp	Leu	Cys	Asp	Gly	Asp	Asp	Asp	Cys	Gly	Asp	Gly	Ser	Asp
			20					25					30		
Glu	Pro	Gly	Cys	Ser	Ala	Pro	Ala	Ser	Glu	Pro	Pro	Gly	Ser	Leu	Cys
		35					40					45			
Leu	Ser	Ser	Gln	Phe	Arg	Cys	Glu	Asn	Gly	Gln	Cys	Ile	Pro	Leu	Thr
	50					55				60					

Trp Gly Cys Asp Gly Asp Asp Asp Cys Gln Asp Gly Ser Asp Glu Thr  
65 70 75 80  
Asn Cys Pro Thr Arg Thr Ser Leu Gln  
85

<210> 432  
<211> 92  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> IgE-binding walked dimer 26

<400> 432  
Cys Pro Ala Asn Glu Phe Gln Cys Arg Asn Ser Ser Thr Cys Ile Pro  
1 5 10 15  
Arg Arg Trp Leu Cys Asp Gly Asp Asp Cys Val Asp Gly Ser Asp  
20 25 30  
Glu Thr Gly Cys Gly Ser Pro Val Pro Thr Cys Pro Ala Asn Glu Phe  
35 40 45  
Gln Cys Arg Asn Ser Ser Thr Cys Ile Pro Arg Arg Trp Leu Cys Asp  
50 55 60  
Gly Asp Asp Asp Cys Gly Asp Gly Ser Asp Glu Thr Gly Cys Ser Ala  
65 70 75 80  
Pro Ala Ser Glu Pro Pro Gly Ser Leu Ser Leu Gln  
85 90

<210> 433  
<211> 99  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> IgE-binding walked dimer 30

<400> 433  
Cys Pro Ala Asn Glu Phe Gln Cys Arg Asn Ser Ser Thr Cys Ile Pro  
1 5 10 15  
Arg Arg Trp Leu Cys Asp Gly Asp Asp Cys Gly Asp Gly Ser Asp  
20 25 30  
Glu Pro Gly Cys Ser Ala Pro Ala Ser Glu Pro Pro Gly Ser Leu Cys  
35 40 45  
Ala Ala Ser Gln Phe Arg Cys Asn Asn Asn Ser Arg Cys Leu Pro Pro  
50 55 60  
Pro Leu Gly Cys Asp Gly Val Asp Asp Cys Gly Asp Asn Ser Asp Glu  
65 70 75 80  
Ala Asp Cys Gly Arg Pro Gly Pro Gly Ala Thr Ser Ala Pro Ala Ala  
85 90 95  
Ser Leu Gln

<210> 434  
<211> 97  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> IgE-binding walked dimer 31

<400> 434  
Cys Pro Ala Asn Glu Phe Gln Cys Arg Asn Ser Ser Thr Cys Ile Pro  
1 5 10 15

Arg	Arg	Trp	Leu	Cys	Asp	Gly	Asp	Asp	Asp	Cys	Gly	Asp	Gly	Ser	Asp
			20					25					30		
Glu	Thr	Gly	Cys	Ser	Ala	Pro	Ala	Ser	Glu	Pro	Pro	Gly	Ser	Leu	Cys
		35					40					45			
Pro	Ala	Asn	Glu	Phe	Gln	Cys	Arg	Asn	Ser	Ser	Thr	Cys	Ile	Pro	Arg
	50					55					60				
Arg	Trp	Leu	Cys	Asp	Gly	Glu	Asp	Asp	Cys	Gly	Asp	Gly	Ser	Asp	Glu
65					70					75				80	
Thr	Gly	Cys	Ser	Ala	Pro	Ala	Ser	Glu	Pro	Pro	Gly	Ser	Leu	Ser	Leu
				85					90				95		

Gln

<210> 435  
 <211> 30  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> assembly PCR oligonucleotide

<400> 435  
 attctcactc ggccgacggt gcctaccggt 30

<210> 436  
 <211> 65  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> assembly PCR oligonucleotide

<400> 436  
 acgggtgccta cccgtatgat gttccggatt atgccccggg tctggaggcg tctggtgggt 60  
 cgtgt 65

<210> 437  
 <211> 85  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> assembly PCR oligonucleotide

<220>  
 <221> modified\_base  
 <222> (1)...(85)  
 <223> n = g, a, c or t

<400> 437  
 cgccgtcgca amscmasbbc nstgraabgc atntkyygkw ayysykgcat yyaaattbgb 60  
 ygrdagvktb acacgaacca ccaga 85

<210> 438  
 <211> 82  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> assembly PCR oligonucleotide

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<220>
<221> modified_base
<222> (21)...(21)
<223> n = g, a, c or t

<400> 438
cgccgctcgca amscmassbbc nstgraabgc akykgccgyt kyygcatyya aattbgbygr 60
dagvktbaca cgaaccacca ga 82

<210> 439
<211> 82
<212> DNA
<213> Artificial Sequence

<220>
<223> assembly PCR oligonucleotide

<220>
<221> modified_base
<222> (1)...(82)
<223> n = g, a, c or t

<400> 439
cgccgctcgca amscmassbbc nstgraabgc atntkyygkw ayysykgcac bkgaaactsgy 60
ycgvnsaca cgaaccacca ga 82

<210> 440
<211> 79
<212> DNA
<213> Artificial Sequence

<220>
<223> assembly PCR oligonucleotide

<220>
<221> modified_base
<222> (1)...(79)
<223> n = g, a, c or t

<400> 440
cgccgctcgca amscmassbbc nstgraabgc akykgccgyt kyygcacbkg aactsgyyycg 60
vnsacacga accaccaga 79

<210> 441
<211> 40
<212> DNA
<213> Artificial Sequence

<220>
<223> assembly PCR oligonucleotide

<220>
<221> modified_base
<222> (24)...(24)
<223> n = g, a, c or t

<400> 441
ttgcgacggc gwwratgatt gtsnggacrr ctcggatgaa 40

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<210> 442  
 <211> 40  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> assembly PCR oligonucleotide  
  
 <400> 442  
 ttgcgacggc gwwratgatt gtssggacgg ctcggatgaa 40  
  
 <210> 443  
 <211> 40  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> assembly PCR oligonucleotide  
  
 <400> 443  
 ttgcgacggc gwwratgatt gtsrggacrr ctcggatgaa 40  
  
 <210> 444  
 <211> 40  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> assembly PCR oligonucleotide  
  
 <220>  
 <221> modified\_base  
 <222> (24)...(24)  
 <223> n = g, a, c or t  
  
 <400> 444  
 ttgcgacggc gwwccggatt gtsnggacrr ctcggatgaa 40  
  
 <210> 445  
 <211> 40  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> assembly PCR oligonucleotide  
  
 <400> 445  
 ttgcgacggc gwwccggatt gtssggacgg ctcggatgaa 40  
  
 <210> 446  
 <211> 40  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> assembly PCR oligonucleotide  
  
 <400> 446  
 ttgcgacggc gwwccggatt gtsrggacrr ctcggatgaa 40

<210> 447  
 <211> 50  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> assembly PCR oligonucleotide  
  
 <400> 447  
 aggccctgcaa tgacgtabgc kbtkbacagy ytkyttcatc cgagyygtcc 50  
  
 <210> 448  
 <211> 56  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> assembly PCR oligonucleotide  
  
 <220>  
 <221> modified\_base  
 <222> (1)...(56)  
 <223> n = g, a, c or t  
  
 <400> 448  
 aggccctgcaa tgacgtabgt ncggnsstyb yacagyytky ttcattccgag yygtcc 56  
  
 <210> 449  
 <211> 65  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> assembly PCR oligonucleotide  
  
 <400> 449  
 aggccctgcaa tgacactttg tgaaattccg gatcctgggt acagyytkyt tcatccgagy 60  
 ygtcc 65  
  
 <210> 450  
 <211> 71  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> assembly PCR oligonucleotide  
  
 <400> 450  
 aggccctgcaa tgacagggaa cccggcggtt cagatgctgg cgcgctacag yytkyttcat 60  
 ccgagyygtc c 71  
  
 <210> 451  
 <211> 77  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> assembly PCR oligonucleotide



<400> 451  
 aggccctgcaa tgacgtgcc ggtgcagaag tcgcacctgg gcccggaacga ccacagyytk 60  
 yttcatccga gyygtcc 77  
  
 <210> 452  
 <211> 83  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> assembly PCR oligonucleotide  
  
 <400> 452  
 aggccctgcaa tgacgtgctc ggacctgggg tgctaaacgg cagaatatga gaatcaccac 60  
 aggytkyttc atccgagyyg tcc 83  
  
 <210> 453  
 <211> 53  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> assembly PCR oligonucleotide  
  
 <400> 453  
 aggccctgcaa tgacgtabgc kbtkbacamw sckscgvttc atccgagccg tcc 53  
  
 <210> 454  
 <211> 59  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> assembly PCR oligonucleotide  
  
 <220>  
 <221> modified\_base  
 <222> (1)...(59)  
 <223> n = g, a, c or t  
  
 <400> 454  
 aggccctgcaa tgacgtabgt nccgnssytb yacamwscks cgvtatcc gagccgtcc 59  
  
 <210> 455  
 <211> 68  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> assembly PCR oligonucleotide  
  
 <400> 455  
 aggccctgcaa tgacactttg tgaaattccg gatcctgggt acamwscksc gvtatccg 60  
 agccgtcc 68  
  
 <210> 456  
 <211> 74  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> assembly PCR oligonucleotide

<400> 456  
 aggccctgcaa tgacagggaa cccggcggtt cagatgctgg cgcgctacam wsckscgvtt 60  
 catccgagcc gtcc 74

<210> 457  
 <211> 80  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> assembly PCR oligonucleotide

<400> 457  
 aggccctgcaa tgacgctgcc ggtgcagaag tcgcacctgg gcccggaaga ccacamwsck 60  
 scgvttcatc cgagccgtcc 80

<210> 458  
 <211> 86  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> assembly PCR oligonucleotide

<400> 458  
 aggccctgcaa tgacgtgctc ggacctgggg tgctaaacgg cagaatatga gaatcaccac 60  
 amwsckscgv ttcattccgag ccgtcc 86

<210> 459  
 <211> 56  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> assembly PCR oligonucleotide

<400> 459  
 aggccctgcaa tgacgtabgc kbtcbacagd kwkccrrcgv ttcattccgag yygtcc 56

<210> 460  
 <211> 62  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> assembly PCR oligonucleotide

<220>  
 <221> modified\_base  
 <222> (1)...(62)  
 <223> n = g, a, c or t

<400> 460  
 aggccctgcaa tgacgtabgt nccgnssytb yacagdkwkc crrcgvttca tccgagyygt 60  
 cc 62

<210> 461  
 <211> 71  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> assembly PCR oligonucleotide  
  
 <400> 461  
 aggccctgcaa tgacactttg tgaaattccg gatcctgggt acagdkwkcc rrcgvttcat 60  
 ccgagyygtc c 71  
  
 <210> 462  
 <211> 77  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> assembly PCR oligonucleotide  
  
 <400> 462  
 aggccctgcaa tgacagggaa cccggcggtt cagatgctgg cgcgctacag dkwkccrrcg 60  
 vttcatccga gyygtcc 77  
  
 <210> 463  
 <211> 83  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> assembly PCR oligonucleotide  
  
 <400> 463  
 aggccctgcaa tgacgtgcc ggtgcagaag tcgcacctgg gcccggacga ccacagdkwk 60  
 crrrcgvttc atccgagyyg tcc 83  
  
 <210> 464  
 <211> 89  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> assembly PCR oligonucleotide  
  
 <400> 464  
 aggccctgcaa tgacgtgctc ggacctgggg tgctaaacgg cagaatatga gaatcaccac 60  
 agdkwkccrr cgvtcatcc gagyygtcc 89  
  
 <210> 465  
 <211> 67  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> assembly PCR oligonucleotide  
  
 <400> 465  
 tgaattttct gtatgaggtt ttgctaaaca actttcaaca gtttcggccc cagaggcctg 60  
 caatgac 67

<210> 466  
 <211> 17  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> PCR amplification oligonucleotide  
  
 <400> 466  
 aagcctcagc gaccgaa

17

<210> 467  
 <211> 18  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> PCR amplification oligonucleotide  
  
 <400> 467  
 agcccaatag gaacccat

18

<210> 468  
 <211> 81  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> clone CD28-A1  
  
 <400> 468  
 Cys Gly Pro Gly Arg Phe Gln Cys Glu Ser Gly Gln Cys Ile Pro Ala  
 1 5 10 15  
 Thr Trp Val Cys Asp Gly Glu Asn Asp Cys Val Asp Asp Ser Asp Glu  
 20 25 30  
 Lys Ser Cys Ala Thr Thr Ala Pro Thr Cys Leu Pro Asp Gln Phe Gln  
 35 40 45  
 Cys His Asp Tyr Arg Arg Cys Ile Pro Leu Gly Trp Val Cys Asp Gly  
 50 55 60  
 Val Pro Asp Cys Val Asp Asn Ser Asp Glu Ala Asn Cys Glu Pro Pro  
 65 70 75 80  
 Thr

<210> 469  
 <211> 81  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> clone CD28-A2  
  
 <400> 469  
 Cys Gly Pro Gly Arg Phe Gln Cys Glu Ser Gly Gln Cys Ile Pro Ala  
 1 5 10 15  
 Thr Trp Val Cys Asp Gly Glu Asn Asp Cys Val Asp Asp Ser Asp Glu  
 20 25 30  
 Lys Ser Cys Ala Thr Thr Ala Pro Thr Cys Pro Pro Asp Gln Phe Thr  
 35 40 45  
 Cys Asn Ser Gly Arg Cys Val Pro Leu Asn Trp Leu Cys Asp Gly Val  
 50 55 60

Asn Asp Cys Ala Asp Ser Ser Asp Glu Pro Pro Glu Cys Gln Pro Arg  
65 70 75 80  
Thr

<210> 470  
<211> 135  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> clone CD28-A10

<400> 470  
Cys Gly Pro Gly Arg Phe Gln Cys Glu Ser Gly Gln Cys Val Pro Ala  
1 5 10 15  
Thr Trp Val Cys Asp Gly Asp Asp Cys Ala Asp Gly Ser Asp Glu  
20 25 30  
Lys Ser Cys Ala Thr Thr Ala Pro Thr Cys Glu Ser Asn Gln Phe Gln  
35 40 45  
Cys Gly Ser Gly Gln Cys Leu Pro Gly Thr Trp Arg Cys Asp Gly Val  
50 55 60  
Asn Asp Cys Ala Asp Ser Ser Asp Glu Thr Gly Cys Gly Arg Pro Gly  
65 70 75 80  
Pro Gly Ala Thr Ser Ala Pro Ala Ala Cys Gly Pro Gly Arg Phe Gln  
85 90 95  
Cys Asn Asn Gly Asn Cys Val Pro Gln Thr Leu Gly Cys Asp Gly Asp  
100 105 110  
Asn Asp Cys Gly Asp Ser Ser Asp Glu Ala Asn Cys Ser Ala Pro Ala  
115 120 125  
Ser Glu Pro Pro Gly Ser Leu  
130 135

<210> 471  
<211> 83  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> clone CD28-A4

<400> 471  
Cys Gly Pro Gly Arg Phe Gln Cys Glu Ser Gly Gln Cys Ile Pro Ala  
1 5 10 15  
Thr Trp Val Cys Asp Gly Glu Asn Asp Cys Val Asp Asp Ser Asp Glu  
20 25 30  
Lys Ser Cys Ala Thr Thr Ala Pro Thr Cys Pro Ala Asn Gln Phe Gln  
35 40 45  
Cys Gly Asn Gly Arg Cys Ile Pro Pro Ala Trp Leu Cys Asp Gly Val  
50 55 60  
Asn Asp Cys Gly Asp Gly Ser Asp Glu Ser Gln Leu Cys Ala Ala Thr  
65 70 75 80  
Gly Pro Thr

<210> 472  
<211> 85  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> clone CD28-A5

<400> 472  
 Cys Gly Pro Gly Arg Phe Gln Cys Glu Ser Gly Gln Cys Ile Pro Ala  
 1 5 10 15  
 Thr Trp Val Cys Asp Gly Glu Asn Asp Cys Val Asp Asp Ser Asp Glu  
 20 25 30  
 Lys Ser Cys Ala Thr Thr Ala Pro Thr Cys Leu Pro Asn Glu Phe Arg  
 35 40 45  
 Cys Ser Asn Gly Gln Cys Ile Pro Pro Asn Trp Arg Cys Asp Gly Val  
 50 55 60  
 Asp Asp Cys Arg Asp Gly Ser Asp Glu Ala Gly Cys Ser Gln Asp Pro  
 65 70 75 80  
 Glu Phe His Lys Val  
 85

<210> 473  
 <211> 84  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> clone CD28-A7

<400> 473  
 Cys Gly Pro Gly Arg Phe Gln Cys Glu Ser Gly Gln Cys Ile Pro Ala  
 1 5 10 15  
 Thr Trp Val Cys Asp Gly Glu Asn Asp Cys Val Asp Asp Ser Asp Glu  
 20 25 30  
 Lys Ser Cys Ala Thr Thr Ala Pro Thr Cys Gly Ser Gly Gln Phe Arg  
 35 40 45  
 Cys Ser Asn Gly Asn Cys Leu Pro Leu Arg Leu Gly Cys Asp Gly Val  
 50 55 60  
 Asp Asp Cys Gly Asp Ser Ser Asp Glu Pro Leu Asp Pro Cys Ala Ala  
 65 70 75 80  
 Thr Val Arg Thr

<210> 474  
 <211> 80  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> clone CD28-A17

<400> 474  
 Cys Gly Pro Gly Arg Phe Gln Cys Glu Ser Gly Gln Cys Ile Pro Ala  
 1 5 10 15  
 Thr Trp Val Cys Asp Gly Glu Asn Asp Cys Val Asp Asp Ser Asp Glu  
 20 25 30  
 Lys Ser Cys Ala Thr Thr Ala Pro Thr Cys Pro Ser Gly Gln Phe Lys  
 35 40 45  
 Cys Asn Ser Gly Arg Cys Val Pro Pro Asn Trp Leu Cys Asp Gly Val  
 50 55 60  
 Asn Asp Cys Pro Asp Asn Ser Asp Glu Ala Asn Cys Pro Pro Arg Thr  
 65 70 75 80

<210> 475  
 <211> 83  
 <212> PRT  
 <213> Artificial Sequence

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<220>
<223> clone CD28-A19

<400> 475
Cys Gly Pro Gly Arg Phe Gln Cys Glu Ser Gly Gln Cys Ile Pro Ala
 1          5          10          15
Thr Trp Val Cys Asp Gly Glu Asn Asp Cys Val Asp Asp Ser Asp Glu
          20          25          30
Lys Ser Cys Ala Thr Thr Ala Pro Thr Cys Gln Ala Asp Glu Phe Gln
          35          40          45
Cys Gln Ser Ser Gly Lys Cys Leu Pro Val Asn Trp Val Cys Asp Gly
          50          55          60
Asp Asn Asp Cys Gly Asp Asp Ser Asp Glu Thr Asn Cys Ala Thr Thr
65          70          75          80
Gly Arg Thr

<210> 476
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> assembly PCR oligonucleotide

<400> 476
attctcactc ggccgacggt gcctaccgt
30

<210> 477
<211> 65
<212> DNA
<213> Artificial Sequence

<220>
<223> assembly PCR oligonucleotide

<400> 477
acgggtgccta cccgtatgat gttccggatt atgccccggg tctggaggcg tctggtggtt
cgtgt
60
65

<210> 478
<211> 85
<212> DNA
<213> Artificial Sequence

<220>
<223> assembly PCR oligonucleotide

<220>
<221> modified_base
<222> (1)...(85)
<223> n = g, a, c or t

<400> 478
cgccgtcgca amscmasbbc nstgraabgc atntkyygkw ayysykgcat yyaaattbgb
ygrdagvktb acacgaacca ccaga
60
85

<210> 479
<211> 82
<212> DNA
<213> Artificial Sequence

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<220>
<223> assembly PCR oligonucleotide

<400> 479
<220>
<221> modified_base
<222> (21)...(21)
<223> n = g, a, c or t

cgccgtcgca amscmabbc nstgraabgc akykgccgyt kyygcatyya aattbgbygr 60
dagvktbaca cgaaccacca ga 82

<210> 480
<211> 82
<212> DNA
<213> Artificial Sequence

<220>
<223> assembly PCR oligonucleotide

<220>
<221> modified_base
<222> (1)...(82)
<223> n = g, a, c or t

<400> 480
cgccgtcgca amscmabbc nstgraabgc atntkyygkw ayyisykgcac bkgaaactsgy 60
ycgvnsaca cgaaccacca ga 82

<210> 481
<211> 79
<212> DNA
<213> Artificial Sequence

<220>
<223> assembly PCR oligonucleotide

<220>
<221> modified_base
<222> (1)...(79)
<223> n = g, a, c or t

<400> 481
cgccgtcgca amscmabbc nstgraabgc akykgccgyt kyygcacbk g aactsgyycg 60
vnsacacga accaccaga 79

<210> 482
<211> 40
<212> DNA
<213> Artificial Sequence

<220>
<223> assembly PCR oligonucleotide

<220>
<221> modified_base
<222> (24)...(24)
<223> n = g, a, c or t

<400> 482
ttgcgacggc gwwratgatt gtsnggacrr ctcggatgaa 40

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<210> 483  
 <211> 40  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> assembly PCR oligonucleotide  
  
 <400> 483  
 ttgcgacggc gwwratgatt gtssggacgg ctcggatgaa 40  
  
 <210> 484  
 <211> 40  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> assembly PCR oligonucleotide  
  
 <400> 484  
 ttgcgacggc gwwratgatt gtsrggacrr ctcggatgaa 40  
  
 <210> 485  
 <211> 40  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> assembly PCR oligonucleotide  
  
 <220>  
 <221> modified\_base  
 <222> (24)...(24)  
 <223> n = g, a, c or t  
  
 <400> 485  
 ttgcgacggc gwwccggatt gtsnggacrr ctcggatgaa 40  
  
 <210> 486  
 <211> 40  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> assembly PCR oligonucleotide  
  
 <400> 486  
 ttgcgacggc gwwccggatt gtssggacgg ctcggatgaa 40  
  
 <210> 487  
 <211> 40  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> assembly PCR oligonucleotide  
  
 <400> 487  
 ttgcgacggc gwwccggatt gtsrggacrr ctcggatgaa 40

<210> 488  
 <211> 50  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> assembly PCR oligonucleotide  
  
 <400> 488  
 aggccctgcaa tgacgtabgc kbtkbacagy ytkyttcatc cgagyygtcc 50  
  
 <210> 489  
 <211> 56  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> assembly PCR oligonucleotide  
  
 <220>  
 <221> modified\_base  
 <222> (1)...(56)  
 <223> n = g, a, c or t  
  
 <400> 489  
 aggccctgcaa tgacgtabgt ncggnsstyb yacagyytky ttcattccgag yygtcc 56  
  
 <210> 490  
 <211> 65  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> assembly PCR oligonucleotide  
  
 <400> 490  
 aggccctgcaa tgacactttg tgaaattccg gatcctgggt acagyytkyt tcatccgagy 60  
 ygtcc 65  
  
 <210> 491  
 <211> 71  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> assembly PCR oligonucleotide  
  
 <400> 491  
 aggccctgcaa tgacagggaa cccggcggtt cagatgctgg cgcgctacag yytkyttcat 60  
 ccgagyygtc c 71  
  
 <210> 492  
 <211> 77  
 <212> DNA  
 <213> Artificial Sequence  
  
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 <223> assembly PCR oligonucleotide

<400> 492  
 aggccctgcaa tgacgtgcc ggtgcagaag tcgcacctgg gcccgacga ccacagyytk 60  
 yttcatccga gyygtcc 77

<210> 493  
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 <212> DNA  
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<220>  
 <223> assembly PCR oligonucleotide

<400> 493  
 aggccctgcaa tgacgtgctc ggacctgggg tgctaaacgg cagaatatga gaatcaccac 60  
 aggytkyttc atccgagyyg tcc 83

<210> 494  
 <211> 53  
 <212> DNA  
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<220>  
 <223> assembly PCR oligonucleotide

<400> 494  
 aggccctgcaa tgacgtabgc kbtkbacamw sckscgvttc atccgagccg tcc 53

<210> 495  
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 <212> DNA  
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<220>  
 <223> assembly PCR oligonucleotide

<220>  
 <221> modified\_base  
 <222> (1)...(59)  
 <223> n = g, a, c or t

<400> 495  
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<210> 496  
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 <212> DNA  
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<220>  
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<400> 496  
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 agccgtcc 68

<210> 497  
 <211> 74  
 <212> DNA  
 <213> Artificial Sequence

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<220>
<223> assembly PCR oligonucleotide

<400> 497
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catccgagcc gtcc 74

<210> 498
<211> 80
<212> DNA
<213> Artificial Sequence

<220>
<223> assembly PCR oligonucleotide

<400> 498
aggcctgcaa tgacgctgcc ggtgcagaag tcgcacctgg gcccggaaga ccacamwsck 60
scgvttcatc cgagccgtcc 80

<210> 499
<211> 86
<212> DNA
<213> Artificial Sequence

<220>
<223> assembly PCR oligonucleotide

<400> 499
aggcctgcaa tgacgtgctc ggacctgggg tgctaaacgg cagaatatga gaatcaccac 60
amwsckscgv ttcattccgag ccgtcc 86

<210> 500
<211> 56
<212> DNA
<213> Artificial Sequence

<220>
<223> assembly PCR oligonucleotide

<400> 500
aggcctgcaa tgacgtabgc kbtkbacagd kwkccrrcgvt ttcattccgag yygtcc 56

<210> 501
<211> 62
<212> DNA
<213> Artificial Sequence

<220>
<223> assembly PCR oligonucleotide

<220>
<221> modified_base
<222> (1)...(62)
<223> n = g, a, c or t

<400> 501
aggcctgcaa tgacgtabgt nccgnssytb yacagdkwkc crrcgvtcca tccgagyygt 60
cc 62

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<210> 502  
 <211> 71  
 <212> DNA  
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 <220>  
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 <400> 502  
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 ccgagyygtc c 71  
  
 <210> 503  
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 <223> assembly PCR oligonucleotide  
  
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 aggctgcaa tgacagggaa cccggcggtt cagatgctgg cgcgctacag dkwkccrrcg 60  
 vttcatccga gyygtcc 77  
  
 <210> 504  
 <211> 83  
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 <223> assembly PCR oligonucleotide  
  
 <400> 504  
 aggctgcaa tgacgtgcc ggtgcagaag tcgcacctgg gcccggaacga ccacagdkwk 60  
 crrcgvttc atccgagyyg tcc 83  
  
 <210> 505  
 <211> 89  
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 <223> assembly PCR oligonucleotide  
  
 <400> 505  
 aggctgcaa tgacgtgctc ggacctgggg tgctaaacgg cagaatatga gaatcaccac 60  
 agdkwkccrr cgvttcatcc gagyygtcc 89  
  
 <210> 506  
 <211> 67  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> assembly PCR oligonucleotide  
  
 <400> 506  
 tgaattttct gtatgaggtt ttgctaaaca actttcaaca gtttcggccc cagaggcctg 60  
 caatgac 67

<210> 507  
 <211> 97  
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<220>  
 <223> clone IL6#4, IL-6 clone 4

<400> 507  
 Cys Leu Ser Ser Gln Phe Gln Cys Lys Asn Gly Gln Cys Ile Pro Gln  
 1 5 10 15  
 Thr Trp Val Cys Asp Gly Asp Asn Asp Cys Glu Asp Asp Ser Asp Glu  
 20 25 30  
 Thr Gly Cys Gly Asp Ser His Ile Leu Pro Phe Ser Thr Pro Gly Pro  
 35 40 45  
 Ser Thr Cys Pro Pro Ser Gln Phe Thr Cys Arg Ser Thr Asn Thr Cys  
 50 55 60  
 Ile Pro Ala Pro Trp Arg Cys Asp Gly Asp Asp Asp Cys Glu Asp Asp  
 65 70 75 80  
 Ser Asp Glu Glu Gly Cys Ser Ala Pro Ala Ser Glu Pro Pro Gly Ser  
 85 90 95  
 Leu

<210> 508  
 <211> 90  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> clone IL6#7

<400> 508  
 Cys Leu Ser Ser Gln Phe Gln Cys Lys Asn Gly Gln Cys Ile Pro Gln  
 1 5 10 15  
 Thr Trp Val Cys Asp Gly Asp Asn Asp Cys Glu Asp Asp Ser Asp Glu  
 20 25 30  
 Thr Gly Cys Gly Asp Ser His Ile Leu Pro Phe Ser Thr Pro Gly Pro  
 35 40 45  
 Ser Thr Cys Arg Ser Asn Glu Phe Gln Cys Arg Ser Ser Gly Ile Cys  
 50 55 60  
 Ile Pro Arg Thr Trp Val Cys Asp Gly Asp Asp Asp Cys Leu Asp Asn  
 65 70 75 80  
 Ser Asp Glu Lys Asp Cys Ala Ala Arg Thr  
 85 90

<210> 509  
 <211> 96  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> clone IL6#9, IL-6 clone 9

<400> 509  
 Cys Arg Ser Asp Gln Phe Gln Cys Gly Ser Gly His Cys Ile Pro Gln  
 1 5 10 15  
 Asp Trp Val Cys Asp Gly Glu Asn Asp Cys Glu Asp Gly Ser Asp Glu  
 20 25 30  
 Thr Asp Cys Ser Ala Pro Ala Ser Glu Pro Pro Gly Ser Leu Cys Leu  
 35 40 45

Ser Ser Gln Phe Gln Cys Lys Asn Gly Gln Cys Ile Pro Gln Thr Trp  
50 55 60  
Val Cys Asp Gly Asp Asn Asp Cys Glu Asp Asp Ser Asp Glu Thr Gly  
65 70 75 80  
Cys Gly Asp Ser His Ile Leu Pro Phe Ser Thr Pro Gly Pro Ser Thr  
85 90 95

<210> 510  
<211> 86  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> clone IL6#P8

<400> 510  
Cys Arg Ser Asp Gln Phe Gln Cys Gly Ser Gly His Cys Ile Pro Gln  
1 5 10 15  
Asp Trp Val Cys Asp Gly Glu Asn Asp Cys Glu Asp Gly Ser Asp Glu  
20 25 30  
Thr Asp Cys Ser Ala Pro Ala Ser Glu Pro Pro Gly Ser Leu Cys Arg  
35 40 45  
Ser Asn Glu Phe Gln Cys Arg Ser Ser Gly Ile Cys Ile Pro Arg Thr  
50 55 60  
Trp Val Cys Asp Gly Asp Asp Asp Cys Leu Asp Asn Ser Asp Glu Lys  
65 70 75 80  
Asp Cys Ala Ala Arg Thr  
85

<210> 511  
<211> 101  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> clone IL6#N7

<400> 511  
Cys Pro Pro Ser Gln Phe Thr Cys Arg Ser Thr Asn Thr Cys Ile Pro  
1 5 10 15  
Ala Pro Trp Arg Cys Asp Gly Asp Asp Asp Cys Glu Asp Asp Ser Asp  
20 25 30  
Glu Ala Asp Cys Gly Asp Ser His Ile Leu Pro Phe Ser Thr Pro Gly  
35 40 45  
Pro Ser Thr Cys Leu Ser Ser Gln Phe Gln Cys Lys Asn Gly Gln Cys  
50 55 60  
Ile Pro Gln Thr Trp Val Cys Asp Gly Asp Asn Asp Cys Glu Asp Asp  
65 70 75 80  
Ser Asp Glu Thr Gly Cys Gly Asp Ser His Ile Leu Pro Phe Ser Thr  
85 90 95  
Pro Gly Pro Ser Thr  
100